

# KATALOG PRODUK

KEMASAN UMUM



PRODUCT  
CATALOGUE

GENERAL PACKAGING

# Profil Perusahaan Company Profile

## A Growth Partner, A Catalyst for Change, A Provider of Progress

PT Chandra Asri Pacific Tbk (Chandra Asri Group) adalah perusahaan solusi energi, kimia, dan infrastruktur terkemuka di Asia Tenggara. Kami mendukung kebutuhan industri nasional lewat portfolio yang mencakup produk petrokimia dan layanan infrastruktur yang mencakup energi, air, logistik, dan kepelabuhanan & penyimpanan. Dengan semangat kolaborasi dan inovasi berkelanjutan, Chandra Asri Group terus memperkuat perannya sebagai mitra pertumbuhan.

PT Chandra Asri Pacific Tbk (Chandra Asri Group) is a leading energy, chemical, and infrastructure solutions company in South East Asia. We support national industry through our portfolio which covers petrochemical products and infrastructure services ranging from energy, water, logistic, and ports & storage. Driven by a spirit of collaboration and continuous innovation, Chandra Asri Group continues to strengthen its role as a growth partner.



**32 Tahun**

Pengalaman  
years of extensive experience



**4,2 Juta+**

Ton/tahun kapasitas kimia  
million ton/year chemical capacity



**120 MWp**

/tahun kapasitas energi elektrik  
/year electricity capacity



**2.000+**

Karyawan  
Employees

## Bisnis kami Our Businesses



**Kimia**  
Chemical



**Energi**  
Energy



**Infrastruktur**  
Infrastructure



**Trading**  
Trading

## Nilai-nilai Core Values



### Integritas | Integrity

Bersikap transparan serta berperilaku sesuai aturan dan etika.  
Act transparently, follow rules and ethics.

### Keselamatan | Safety

Membangun lingkungan kerja yang aman, sehat, dan lestari.  
Building a safe, healthy, and sustainable working environment.

### Kerja sama | Teamwork

Membangun kolaborasi untuk keunggulan bisnis.  
Building collaboration for business excellence.

### Akuntabilitas | Accountability

Bertanggung jawab atas tugas dan kinerja.  
Being responsible for own tasks and performance.

### Menghargai | Respect

Menghargai dan peduli terhadap orang lain.  
Appreciate and care for others.

# Kategori Produk Product Category

## Polyolefins

Polyolefins adalah termoplastik yang dibuat dari Ethylene dan Propylene hasil turunan minyak bumi dan gas alam.

Polyolefins are thermoplastics made by polymerizing Ethylene and Propylene, which are derived from oil and natural gas.

### Polyethylene (PE)

#### Linear Low Density Polyethylene (LLDPE)

LLDPE memiliki ketangguhan yang sangat baik, fleksibilitas, dan transparansi yang relatif baik, terutama untuk produk injeksi umum dan film.

LLDPE has excellent toughness, flexibility, and relatively good transparency, mainly for general injection product and film.

#### High Density Polyethylene (HDPE)

HDPE memiliki kekuatan tarik yang sangat baik. HDPE terutama untuk film, cetakan tiup, injeksi umum, pipa, dan monofilamen.

HDPE has excellent tensile strength. HDPE is mainly for film, blow molding, general injection, pipe, and monofilament.

### Polypropylene (PP)

#### Homopolymer

PP Homopolymer yang hanya terdiri dari Propylene, memiliki sifat kekakuan dan gloss yang tinggi. Aplikasinya bervariasi mulai dari kemasan makanan (kaku dan fleksibel), peralatan rumah tangga, tas anyaman, dll.

PP Homopolymer only consists of Propylene, which has high stiffness and glossiness properties. Its applications vary from food packaging (rigid and flexible), housewares, woven bags, etc.

#### Impact Copolymer

PP Impact Copolymer terdiri dari Propylene dan Ethylene yang berada dalam fase elastis. Bahan ini dapat menahan beban benturan serta suhu kerapuhan rendah hingga  $-30^{\circ}\text{C}$ , dan dapat diaplikasikan menjadi ember plastik, palet, produk elektronik, dan otomotif.

PP Impact Copolymer consists of Propylene and Ethylene as rubbery phase. These materials can withstand impact load and low brittleness temperature (until  $-30^{\circ}\text{C}$ ), and can be applied as plastic pails, pallets, electronics, and automotive products.

#### Random Copolymer

PP Random Copolymer terdiri dari Propylene dan sebagian kecil dari komonomer Ethylene. Memiliki kejernihan dan fleksibilitas yang tinggi, terutama untuk produk seperti wadah bening, tutup flip-top, pelapis ekstrusi untuk kemasan plastik, dan jenis kemasan lainnya.

PP Random Copolymer consists of Propylene and a specific portion of Ethylene comonomers. It has high clarity and flexibility, mainly for products such as clear containers, flip-top caps, extrusion coatings for plastic packaging and another type of packaging.



# Kemasan Umum General Packaging

Melalui solusi Kemasan Umum ini, Chandra Asri Group menawarkan solusi serbaguna dan ramah lingkungan untuk industri seperti makanan, ritel dan e-commerce, tekstil, hingga kebutuhan industri memastikan produk yang awet dan biaya yang efektif.

Kemasan umum berperan penting dalam melindungi produk, memastikan kualitasnya terjaga, dan memenuhi berbagai kebutuhan industri.

Industri pengemasan sendiri terus berkembang dengan tren seperti keberlanjutan, bahan yang ringan, dan desain yang menarik secara visual.

Chandra Asri Group menyediakan bahan kemasan berkualitas tinggi dan serbaguna yang disesuaikan untuk memenuhi beragam kebutuhan. Produk kami dirancang untuk daya tahan, keberlanjutan, dan efisiensi.

Solusi pengemasan kami bermanfaat bagi industri seperti makanan, ritel, farmasi, dan e-commerce. Pelanggan mendapatkan keuntungan seperti desain yang dapat disesuaikan, efektivitas biaya, hingga teknologi canggih yang memastikan kinerja yang andal.

Through our General Packaging solutions, Chandra Asri Group offers versatile and eco-friendly solutions for industries such as food, retail and e-commerce, textile, all the way to industrial needs ensuring durability and cost-effectiveness.

General packaging plays a role in protecting products, ensuring quality, and meeting industry standards.

The packaging industry is evolving with trends such as sustainability, lightweight materials, and visually appealing designs.

Chandra Asri Group provides high-quality and versatile packaging materials customized to meet diverse needs. Our products are designed for durability, sustainability, and efficiency.

Our packaging solutions benefit industries such as food, retail, pharmaceutical, and e-commerce. Customers get benefits such as customizable designs, cost-effectiveness, to advanced technologies that ensure reliable performance.

## Kepatuhan pada Standar Nasional dan Internasional

### National and International Standard Compliances



FDA Regulation 21 CFR177.1520



Commission Regulation (EU) No. 10/2011



Japan food contact positive list as per MHLW regulation



Positive list of Chinese Food Contact GB 9685-2016 and GB 4806.7-2023



Regulation No. 20 year 2019



SNI No. 594:2022 – Polypropylene (PP)

SNI No. 7808:2022 – Polyethylene (PE)



Certified by The Halal Product Assurance Organizing Body (BPIPH)

# Kemasan Film Packaging Film

## Kemasan Tradisional Traditional Packaging

Kemasan yang andal dimulai dengan material yang tepat. Kami menawarkan resin berkualitas tinggi untuk berbagai kebutuhan kemasan tradisional. Asrene® LLDPE Series memiliki kejernihan tinggi, ketahanan benturan, dan sifat sealing yang kuat. Untuk daya tahan ekstra dan ketahanan panas yang tinggi, Asrene® HDPE Series sangat cocok untuk kemasan industri. Sementara itu, Trilene® Homopolymer Series memberikan keseimbangan antara kekuatan dan kemudahan proses, menjadikannya pilihan tepat untuk kantong makanan dan kemasan umum.

Reliable packaging starts with the right materials. We offer high-quality resins for various traditional packaging needs. Asrene® LLDPE Series offers high clarity, impact resistance, and strong sealing properties. For extra durability and heat resistance, Asrene® HDPE Series is ideal for industrial packaging. Meanwhile, Trilene® Homopolymer Series provides a balance between strength and processability, making it a great choice for food bags and general packaging.

### Grades

Brands	Grades	Density	Melt Index (190°C/2.16 kg)	Application
		g/cm <sup>3</sup>	g/10 min	
Asrene® LLDPE	UF1810	0.919	1.0	Kantong belanja, kantong kemasan pakaian dan kantong plastik serbaguna Shopping bag, garment bag and multipurpose plastic bag
	UF1810T	0.921	1.0	
	UF1810SI	0.922	1.0	
	UF1820T	0.922	2.0	Film plastik untuk keperluan umum General purpose plastic film
	UF1820SI	0.922	2.0	

### Grades

Brands	Grades	Density	Melt Index (190°C/2.16 kg)	Melt Index (190°C/21.6 kg)	Application
		g/cm <sup>3</sup>	g/10 min	g/10 min	
Asrene® HDPE	SF5007	0.950	0.05	15	Kantong belanja, plastik pelapis untuk keperluan industri, kantong sampah dan kantong plastik serbaguna Shopping bag, industrial liners, trash bag and multipurpose plastic bag
	UF5205H	0.953	0.07	10,5	

### Grades

Brands	Grades	Melt Flow Rate (230°C/2.16 kg)	Application
		g/cm <sup>3</sup>	
Trilene® Homopolymer	HF10TQ	10	Kemasan plastik untuk kantong makanan, kantong gula, kantong roti, dan lain-lain Plastic packaging for food bags, sugar bags, bread bags, and more

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**SF5007**

- Hexene copolymer
- High molecular weight
- Thin film processability
- High tensile strength
- High impact and tear strength

**UF5205H**

- Hexene copolymer
- Good film impact
- Good tear strength

**Kantong belanja**  
Grocery bags

**HFI0TQ**

- Excellent process-ability
- High strength
- Good optical properties
- Slip and anti-block additives

**Kemasan roti**  
Bread packaging

**UFI810T**

- Contain Slip Agent & Antiblock
- Good process-ability
- Excellent Toughness
- Good Clarity & Openability

**Kantong serbaguna**  
Multipurpose plastic bags



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# Kemasan Film Packaging Film

## Kemasan Fleksibel Flexible Packaging

Kemasan fleksibel memerlukan material yang kuat, jernih, dan mudah diproses. Kami menyediakan resin berkualitas tinggi untuk berbagai aplikasi. Seri Asrene® LLDPE memiliki kejernihan tinggi, ketahanan benturan, dan sifat sealing panas yang kuat. Sementara itu, Seri Trilene® Homopolymer memastikan daya tahan, kejernihan, dan ikatan logam yang sangat baik untuk film BOPP dan cast PP.

Flexible packaging requires materials that are strong, clear, and easy to process. We provide high-quality resins for various applications. The Asrene® LLDPE Series offers high clarity, impact resistance, and strong heat-sealing properties. Meanwhile, the Trilene® Homopolymer Series ensures excellent durability, clarity, and metal adhesion for BOPP and cast PP films.

### Grades

Brands	Grades	Melt Flow Rate (230°C/2.16 kg)	Application
		g/cm <sup>3</sup>	
Trilene® Homopolymer	HF2.0BM	2.9	Film BOPP untuk kemasan rokok, label dan film laminasi BOPP film for cigarette packaging, label and lamination film
	HF7.0CP	7	Film CPP laminasi polos untuk kemasan makanan dan permen Plain CPP lamination film for food and candy packaging
	HF8.0CM	7.7	Film CPP metalisasi untuk kemasan makanan dan permen Metalized CPP film for food and candy packaging

### Grades

Brands	Grades	Density	Melt Index (190°C/2.16 kg)	Application
		g/cm <sup>3</sup>	g/10 min	
Asrene® LLDPE	UF1810	0.919	1.0	Multilayer film untuk kemasan makanan, produk beku, kemasan saku, kemasan berdiri Multilayer film for food packaging, frozen product, sachet, standing pouch
	UF1810T	0.921	1.0	
	UF1810SI	0.922	1.0	
Asrene® mLLDPE	UF1810MH	0.918	1.0	
	UF1810MT	0.918	1.0	
	UF1820MH	0.918	2.0	
	UF1820MT	0.918	2.0	

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**HF8.0CM**

- High strength
- High stiffness
- Good process-ability
- Good metal bonding

**UF1810MH**

- No Slip Agent & Antiblock
- Good process-ability
- Excellent Toughness
- Good Clarity



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# Kemasan Konsumen Consumer Packaging

## Perawatan Pribadi & Kosmetik Personal Care & Cosmetics

Kemasan memegang peran penting dalam produk perawatan pribadi karena harus bisa menjaga isi tetap aman sekaligus tampak menarik di rak ritel. Itulah mengapa pemilihan material yang tepat sangat penting. Material tersebut harus tahan lama, aman, dan mudah diproses sehingga kami menyediakan solusi resin HDPE berkualitas tinggi. Seri Asrene® HDPE Blow Molding ideal untuk wadah, dengan ketahanan benturan yang sangat baik, keseimbangan antara kekakuan, ketahanan retak akibat tegangan, serta kemudahan dalam pemrosesan.

Packaging plays a big role in personal care products as it must keep the contents safe while maintaining an attractive appearance for retail. That's why choosing the right material matters. It must be durable, safe, and easy to process, hence we provide high-quality HDPE resin solutions. The Asrene® HDPE Blow Molding Series is ideal for containers, offering excellent impact resistance, a balance of rigidity, stress crack resistance, and ease of processing.

### Grades

Brands	Grades	Density	Melt Index (190°C/2.16 kg)	Melt Index (190°C/21.6 kg)	Application
		g/cm <sup>3</sup>	g/10 min	g/10 min	
Asrene® HDPE	UB5502H	0.954	0.23	23	<ul style="list-style-type: none"> <li>• Blow molding ukuran kecil (hingga 5 L)</li> <li>• Botol perawatan pribadi dan kosmetik</li> <li>• Small-size blow molding (up to 5 L)</li> <li>• Personal care and cosmetics bottles</li> </ul>
	UB5206H	0.953	0.07	9	<ul style="list-style-type: none"> <li>• Blow molding ukuran sedang (5 L hingga 150 L)</li> <li>• Botol perawatan pribadi dan kosmetik</li> <li>• Wadah deterjen dan perawatan rumah tangga</li> <li>• Medium-size blow molding (5 L to 150 L)</li> <li>• Personal care and cosmetics bottles</li> <li>• Detergent and home care containers</li> </ul>

Brands	Grades	Melt Flow Rate (230°C/2.16 kg)	Flexural Modulus (@1.3 mm/min)	Application
		g/cm <sup>3</sup>	MPa	
Trilene® PP	H110HO	10	1,500	<ul style="list-style-type: none"> <li>• Wadah kosmetik</li> <li>• Wadah perawatan pribadi</li> <li>• Cosmetics container</li> <li>• Personal care container</li> </ul>
	R110HC02	10	1,100	<ul style="list-style-type: none"> <li>• Tutup flip top</li> <li>• Wadah kosmetik</li> <li>• Wadah perawatan pribadi</li> <li>• Flip top cap</li> <li>• Cosmetics container</li> <li>• Personal care container</li> </ul>
	R120HC02	20	1,250	

#### UB5502H

- Hexene copolymer
- Excellent rigidity

Botol sampo  
Shampoo bottle

#### R110HC02/R120HC02

- Excellent impact strength
- High flexibility

Tutup flip top  
Flip top cap

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# Kemasan Konsumen Consumer Packaging

## Makanan dan Minuman Food and Beverage

Keamanan dan kualitas sangat penting dalam kemasan makanan dan minuman. Kami menyediakan solusi resin Polypropylene untuk berbagai kebutuhan kemasan F&B. Seri Trilene® Homopolymer Injection memiliki karakteristik yang kuat dan mudah dibentuk, ideal untuk wadah makanan dan proses injeksi molding. Seri Trilene® Homopolymer Thermoforming cocok untuk produk dengan ketahanan benturan yang sangat baik dan kejernihan tinggi, sementara Seri Trilene Homopolymer Yarn untuk proses ekstrusi yang lancar. Untuk kemasan yang memerlukan daya tahan ekstra, Seri Trilene® Impact Copolymer menawarkan ketahanan benturan yang super, kekakuan, dan kemudahan dalam pemrosesan.

Safety and quality are essential in food and beverage packaging. We provide Polypropylene resin solutions for various F&B packaging needs. The Trilene® Homopolymer Injection Series offers strong and easily moldable characteristics, making it ideal for food containers and injection molding processes. The Trilene® Homopolymer Thermoforming Series is suitable for products requiring excellent impact resistance and high clarity, while the Trilene® Homopolymer Yarn Series ensures smooth extrusion processes. For packaging that demands extra durability, the Trilene® Impact Copolymer Series delivers superior impact strength, stiffness, and ease of processing.

### Grades

Properties	Unit	Trilene® Homopolymer			
		HI10HO	HI35HO	HE2.0TF	HY3.8FY
Melt Flow Rate (230°C/2.16 kg)	g/10 min	10	35	2.4	3.8
Flexural Modulus (@1.3 mm/min)	MPa	1,500	1,300		
Notched Izod Impact Strength (@23°C)	J/m			40	
Deflection Temperature (@0.455 MPa)	°C			104	
Tensile Yield Strength (@50 mm/min)	MPa				33
Tensile Yield Strength	%				12
Application	Peralatan rumah tangga, tutup kemasan, wadah Housewares, closures, containers.	Injection molding multi-kavitas Multicavities injection molding	Gelas AMDK, gelas minuman berperisa, gelas oz Mineral water cup, flavored beverages cup, oz cup	Drinking straw Sedotan minuman	
	Mainan Toys		Tray makanan Meal tray		
	Aplikasi injection molding serbaguna General purpose injection molding applications				
	Aplikasi non-medis Non-medical grade application				



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## Grades

Properties	Unit	Trilene® Impact Copolymer	
		BI5.0GA	BI9.0GA
Melt Flow Rate (230°C/2.16 kg)	g/10 min	5	9
Tensile Yield Strength (@50 mm/min)	MPa	26	27
Tensile Yield Elongation	%	12	12
Flexural Modulus (@1.3 mm/min)	MPa	1,000	1,100
Notched Izod Impact Strength (@23°C)	J/m	450 (crack but no break)	500
Application	Ember cat, perlengkapan rumah tangga, wadah makanan Paint pails, housewares, food containers		
	Mainan Toys		
	Aplikasi industri Industrial applications		
	Komponen otomotif, komponen listrik Automotive parts, electrical parts		
	Aplikasi injection molding serbaguna General purpose injection molding applications		

**HY3.8FY**

- Excellent process-ability
- High strength
- Low water carry-over (WCO)

Sedotan  
Straw

**HE2.0TF**

- Excellent stiffness
- Excellent processability
- Good impact strength
- Good clarity

Wadah minum  
Cups

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# Kemasan Konsumen Consumer Packaging

## Pelayanan Kesehatan Healthcare

Di dunia medis, tidak ada ruang untuk kompromi; keamanan dan kebersihan selalu jadi yang utama. Karena itu, kami menyediakan resin Polypropylene berkualitas tinggi untuk berbagai aplikasi medis. Trilene® Homopolymer Series cocok untuk aplikasi spunbond non-woven seperti masker dan pakaian sekali pakai, dengan keunggulan aliran material yang baik serta mudah diproses. Sementara itu, Trilene® Random Copolymer Series menawarkan kejernihan tinggi, waktu siklus lebih cepat, dan suhu pemrosesan lebih rendah, menjadikannya ideal untuk cetakan injeksi pada alat medis seperti jarum suntik dan inhaler.

In healthcare, there's no room for compromise; safety and hygiene always come first. That's why we offer high-quality Polypropylene resins designed for medical applications. Trilene® Homopolymer Series is ideal for spunbond non-woven applications such as masks and disposable clothing, offering excellent flowability and easy processing. Meanwhile, Trilene® Random Copolymer Series delivers high clarity, faster cycle times, and lower processing temperatures, making it perfect for injection-molded medical devices such as syringes and inhalers.

### Grades

Brands	Grades	Melt Flow Rate (230°C/2.16 kg)	Flexural Modulus (@1.3 mm/min)	Application
		g/cm <sup>3</sup>	MPa	
Trilene® Random Copolymer	RII0HC02	10	1,100	<ul style="list-style-type: none"> <li>• Aplikasi dengan standar medis</li> <li>• Tabung dan pendorong suntikan</li> <li>• Medical-grade application</li> <li>• Syringe barrel and plunger</li> </ul>
	RI20HC02	20	1,250	

Brands	Grades	Melt Flow Rate (230°C/2.16 kg)	Flexural Modulus (@1.3 mm/min)	Application
		g/cm <sup>3</sup>	MPa	
Trilene® Homopolymer	HI10HO	10	1,500	<ul style="list-style-type: none"> <li>• Aplikasi injection molding untuk penggunaan umum,</li> <li>• Aplikasi non-grade medis</li> <li>• General purpose injection molding applications</li> <li>• Non-medical grade application</li> </ul>
	HI35HO	35	1,300	

Brands	Grades	Melt Flow Rate (230°C/2.16 kg)	Tensile Yield Strength (@50 mm/min)	Tensile Yield Strength	Application
		g/cm <sup>3</sup>	MPa	%	
Trilene® Homopolymer	HS35NW	35	33	13	<ul style="list-style-type: none"> <li>• Masker bedah</li> <li>• Gaun bedah</li> <li>• Pakaian hazmat</li> <li>• Surgical mask</li> <li>• Surgical gown</li> <li>• Hazardous material suit</li> </ul>

#### RI20HC02

- High transparency
- Excellent impact strength
- Gamma irradiation resistance
- Short cycle time
- Low processing temperature



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# Tekstil Textile

## Spunbond/Non Woven

Seperti halnya memanggang kue yang enak, membuat tekstil berkualitas juga butuh bahan dasar yang tepat untuk mendapatkan hasil sempurna. Resin Polypropylene kami adalah pilihan sempurna untuk kebutuhan tekstil. Trilene® Homopolymer Series sangat ideal untuk aplikasi spunbond non-woven seperti goodie bag, bedding, serbet, dan pakaian sekali pakai. Dengan aliran material yang baik, kemudahan pemrosesan, dan daya tarik serat yang optimal, produk ini memastikan hasil yang kuat, tahan lama, dan efisien dalam produksi.

Just like baking a delicious cake requires the right ingredients, producing high-quality textiles also demands the right base materials to achieve perfect results. Our Polypropylene resins are the ideal choice for textile applications. The Trilene® Homopolymer Series is perfectly suited for spunbond non-woven applications such as goodie bags, bedding, napkins, and disposable clothing. With excellent material flow, easy processability, and optimal fiber drawability, this product ensures strong, durable results and efficient production.

### Grades

Brands	Grades	Melt Flow Rate (230 °C / 2.16 kg)	Tensile Yield Strength (@50 mm/min)	Tensile Yield Strength
		g/10 min	MPa	%
<b>Trilene® Homopolymer</b>	<b>HS35NW</b>	35	33	13
<b>Application</b>		<ul style="list-style-type: none"> <li>• Goodie bag, bedding, tekstil untuk pertanian</li> <li>• Goodie bags, bedding, agricultural textiles</li> </ul>		

Tas spunbond  
Spunbond bag

#### HS35NW

- Excellent flow and suitable for fine denier spunbond non-woven
- Excellent drawability and spinnability
- Narrow molecular weight distribution



# Industrial



## Agrikultur Agriculture

Di industri pertanian, daya tahan dan kekuatan adalah segalanya. Itulah mengapa Asrene® HDPE Blow Molding Series dan Trilene® Impact Copolymer Polypropylene Series hadir sebagai solusi resin yang ideal untuk kebutuhan agrikultur. Dirancang untuk daya tahan maksimal, resin ini memiliki ketahanan benturan luar biasa, ESCR tinggi (tahan retak), serta keseimbangan kekuatan dan kekakuan yang optimal, memastikan peralatan agrikultur tetap kuat dan andal dalam segala kondisi.

In the agricultural industry, durability and strength are everything. That's why the Asrene® HDPE Blow Molding Series and Trilene® Impact Copolymer Polypropylene Series are the ideal resin solutions for agricultural needs. Engineered for maximum durability, these resins offer outstanding impact resistance, high ESCR (Environmental Stress Crack Resistance), and a well-balanced combination of strength and stiffness—ensuring agricultural equipment remains tough and reliable under all conditions.

### BI9.0GA

- High impact strength and stiffness balance
- Good process-ability
- Medium flow

### BI32AN

- Excellent process-ability with faster cycle time
- High stiffness
- Low warpage
- Excellent impact strength

## Grades

Brands	Grades	Density	Melt Index (190°C/2.16 kg)	Melt Index (190°C/21.6 kg)	Application
		g/cm <sup>3</sup>	g/10 min	g/10 min	
Asrene® HDPE	UB5206H	0.953	0.07	9	<ul style="list-style-type: none"> <li>• Wadah pestisida &amp; pupuk</li> <li>• Pesticide &amp; fertilizer container</li> </ul>
	SF5007	0.950	0.05	15	<ul style="list-style-type: none"> <li>• Geomembran</li> <li>• Mulsa</li> <li>• Geomembrane</li> <li>• Plastic mulch</li> </ul>
Asrene® LLDPE	UF1810T	0.921	1.0		<ul style="list-style-type: none"> <li>• Geomembran</li> <li>• Mulsa</li> <li>• Geomembrane</li> <li>• Plastic mulch</li> </ul>

Brands	Grades	Melt Flow Rate (230°C/2.16 kg)	Tensile Yield Strength (@50 mm/min)	Tensile Yield Strength	Application
		g/cm <sup>3</sup>	g/10 min	%	
Trilene® Impact Copolymer	BI9.0GA	9	27	12	<ul style="list-style-type: none"> <li>• Penyemprot pertanian</li> <li>• Agriculture sprayer</li> </ul>
	BI32AN	38	29	10	



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# Industri Industrial

## Kemasan Industri Industrial Packaging

Ketika berbicara tentang wadah industri, kekuatan dan daya tahan menjadi kunci penting. Seri Trilene® Impact Copolymer Polypropylene merupakan resin Polypropylene kopolimer berdampak tinggi yang dirancang untuk berbagai aplikasi injection molding, salah satunya kemasan industrial yang menawarkan performa optimal dalam kekuatan, aliran sedang, dan ketahanan benturan.

When it comes to industrial containers, strength and durability are key. The Trilene® Impact Copolymer Polypropylene Series is a high-impact Polypropylene copolymer resin designed for various injection molding applications, including industrial packaging. It offers optimal performance with balanced strength, medium flow, and excellent impact resistance.

### Grades

Properties	Unit	Trilene® Impact Copolymer		
		BI5.0GA	BI9.0GA	BI5.0GN
Melt Flow Rate (230°C/2.16 kg)	g/10 min	5	9	5
Tensile Yield Strength (@50 mm/min)	MPa	26	27	28
Tensile Yield Elongation	%	12	12	11
Flexural Modulus (@1.3 mm/min)	MPa	1,000	1,100	1,200
Notched Izod Impact Strength (@23°C)	J/m	450 (crack but no break)	500	600 (crack but no break)
Application	Ember cat, krat, palet, kontainer besar Paint buckets, crates, pallets, large containers			
	Mainan Toys		In-mold labeling, palet. In-mold labelling, pallets	
	Aplikasi industri Industrial applications			

#### BI9.0GA

- High impact strength and stiffness balance
- Good process-ability
- Medium flow
- Suitable for low-temperature storage

#### BI32AN

- Excellent process-ability with faster cycle time
- High stiffness
- Low warpage
- Excellent impact strength
- Suitable for low-temperature storage



# Industrial

## Compounding Compounding

Untuk kebutuhan industrial compounding, keandalan material sangat penting. Seri Asrene® LLDPE Injection sangat cocok untuk aplikasi injection molding seperti tutup botol, masterbatch, dan mainan, dengan aliran tinggi dan ketahanan yang kuat bahkan menawarkan ESCR (tahan retak) yang lebih tinggi. Seri Trilene® Homopolymer Injection memastikan kekakuan dan tampilan yang sangat mengkilap. Sementara itu, Seri Trilene® Impact Copolymer memberikan kombinasi kekuatan benturan, mudah diproses, serta kekakuan untuk berbagai aplikasi, mulai dari ember cat hingga komponen otomotif.

In industrial compounding, material reliability is key. Asrene® LLDPE Injection Series is perfect for injection molding applications like bottle caps, masterbatch, and toys, offering high flow and toughness even provides enhanced ESCR. Trilene® Homopolymer Injection Series ensures optimal stiffness and gloss. Meanwhile, Trilene® Impact Copolymer Series delivers a balance of impact strength, easy processability, and rigidity for various applications, from paint pails to automotive components.

### Grades

Brands	Grades	Melt Flow Rate (230 °C / 2.16 kg)	Flexural Modulus (@1.3 mm/min)
		g/10 min	MPa
Trilene® Homopolymer	HII0HO	10	1,500
Application		Compounding	

#### UI2420

- Excellent mold-ability
- Excellent toughness
- Medium flow properties
- Non UV stabilized

#### UI2650

- Excellent mold-ability
- Excellent toughness and ESCR
- High flow properties
- Non UV stabilized



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## Grades

Properties	Unit	Trilene® Impact Copolymer		
		BI5.0GA	BI9.0GA	BI32AN
Melt Flow Rate (230°C/2.16 kg)	g/10 min	5	9	38
Tensile Yield Strength (@50 mm/min)	MPa	26	27	29
Tensile Yield Elongation	%	12	12	10
Flexural Modulus (@1.3 mm/min) <sup>1</sup>	MPa	1,000	1,100	1,250
Notched Izod Impact Strength (@23°C)	J/m	450 (crack but no break)	500	150
Application	Aplikasi compounding industri Industrial Compounding applications			
	Compounding otomotif Automotive compounding			

## Grades

Brands	Grades	Density	Melt Index (190°C/2.16 kg)
		g/cm <sup>3</sup>	g/10 min
Asrene® LLDPE	UI2650	0.927	50
	UI2420	0.924	20
Application		<ul style="list-style-type: none"> <li>• Masterbatch dan powder coating</li> <li>• Masterbatch and powder coating</li> </ul>	

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# Industrial

## Heavy Duty

Produk yang berat dan tangguh juga butuh kemasan yang tangguh. Untuk kebutuhan kemasan heavy-duty, kami menghadirkan solusi dengan Asrene® LLDPE Metallocene Series yang tangguh dan andal. Sebagai resin metallocene LLDPE berbasis 1-hexene, produk ini dirancang untuk aplikasi blown film, multi-layer, dan specialty packaging yang membutuhkan karakteristik sangat jernih, ketahanan tinggi, serta sifat segel panas yang optimal. Dengan daya tahan superior, kemasan yang dihasilkan mampu melindungi produk secara maksimal, bahkan dalam kondisi paling menantang.

Tough products need even tougher packaging. For strong and reliable heavy-duty packaging, we have Asrene® LLDPE Metallocene Series. These 1-hexene-based metallocene LLDPE resins are designed for blown film, multi-layer, and specialty packaging applications that demand high clarity, exceptional toughness, and outstanding heat seal properties. With superior durability, they ensure maximum product protection even in the most demanding conditions.

### Grades

Brands	Grades	Density	Melt Index (190°C/2.16 kg)
		g/cm <sup>3</sup>	g/10 min
Asrene® mLLDPE	UF1810MH	0.918	1.0
	UF1810MT	0.918	1.0
	UF1820MH	0.918	2.0
	UF1820MT	0.918	2.0
Application		<ul style="list-style-type: none"> <li>• Multilayer film &amp; lamination</li> <li>• Kantong makanan dan minuman</li> <li>• Kantong makanan beku</li> <li>• Multilayer film &amp; lamination</li> <li>• Food and beverage packaging</li> <li>• Frozen food packaging</li> </ul>	

#### UF1810MH

- Barefoot (no slip, no antiblock)
- TnPP free
- Processing aid
- Thermal stabilizer
- Narrow MWD



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Made in Indonesia

25 Kg net

Made in Indonesia

This PE product is manufactured by the company registered in the management system of Safety, Health, Environment, Quality, Energy and Halal under product quality control by accredited laboratory.

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# Industrial

## Plastik Wrapping Stretch Wrap

Untuk perlindungan kemasan industri dan rumah tangga, Asrene® LLDPE dan LLDPE Metallocene Series menawarkan solusi stretch wrapping film dengan kejernihan tinggi, ketahanan kuat, serta daya rekat dan elastisitas optimal. Seri Metallocene memberikan perlindungan lebih unggul berkat fleksibilitas dan daya tahan yang lebih tinggi, ideal untuk aplikasi cast stretch film.

For optimal protection in industrial and household packaging, Asrene® LLDPE and LLDPE Metallocene Series offer stretch wrapping film solutions with high clarity, strong durability, excellent stretchability, and cling properties. The Metallocene Series delivers enhanced protection with superior flexibility and toughness, making it an excellent choice for cast stretch film applications.

### Grades

Brands	Grades	Density	Melt Index (190°C/2.16 kg)
		g/cm <sup>3</sup>	g/10 min
Asrene® LLDPE	UFI820	0.917	2.0
	UFI835MH	0.918	3.5
Application		• Stretch film	



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# Industrial

## Anyaman dan Tali Woven and Rope

Rahasia menghasilkan produk anyaman yang kuat dan tahan lama dimulai dari pemilihan resin yang tepat. Kami menyediakan solusi bahan baku berkualitas tinggi untuk industri anyaman melalui Trilene® Homopolymer Yarn Series, yaitu resin Polypropylene homopolimer berbentuk pelet alami yang ideal untuk aplikasi seperti karung anyaman, terpal, dan geotekstil, dengan kekuatan unggul dan tingkat serapan air (WCO) yang rendah untuk hasil yang konsisten dan berkinerja tinggi. Untuk aplikasi yang membutuhkan daya tahan dan ketahanan cuaca lebih baik, Asrene® HDPE Series merupakan pilihan tepat untuk terpal, benang monofilamen, dan benang pita, serta film ko-ekstrusi dan laminasi, menawarkan kemudahan proses, kekuatan tarik tinggi, kelenturan, dan perpanjangan yang baik, sehingga menghasilkan produk akhir yang tangguh, tahan lama, dan tahan cuaca untuk kebutuhan penutup dan perlindungan industri.

The secret to producing strong and durable woven products starts with the right resin. We provide high-quality raw material solutions for the woven industry through the Trilene® Homopolymer Yarn Series, a homopolymer Polypropylene resin in natural pellet form ideal for woven sacks, tarpaulins, and geotextiles, offering excellent strength and low water carry-over (WCO) for consistently high-performance results. For applications requiring even greater durability and weather resistance, the Asrene® HDPE Series is the perfect choice for tarpaulin, monofilament, and flat yarn applications, as well as co-extrusion and lamination films, delivering excellent processability, high tensile strength, good stretchability, and elongation to ensure tough, durable, and weather-resistant end products for industrial covering and protection needs.

### Grades

Properties	Unit	Asrene® HDPE
		SM5508
Density	g/cm <sup>3</sup>	0.954
Melt Index (190 °C/2.16 kg)	g/10 min	0.9
Application		<ul style="list-style-type: none"> <li>• <b>Monofilament</b> Tali dan jaring serbaguna</li> <li>• <b>Flat yarn</b> Pita stretch dan terpal</li> <li>• <b>Film</b> Co-extrusion dan laminasi</li> <li>• <b>Monofilament</b> General ropes and nets</li> <li>• <b>Flat yarn</b> Stretched tapes and tarpaulin</li> <li>• <b>Film</b> Co-extrusion and lamination</li> </ul>

Terpal  
Tarpaulin

Tali  
Rope

#### SM5508

- Excellent processability
- High tensile strength
- Good stretch-ability
- Good elongation



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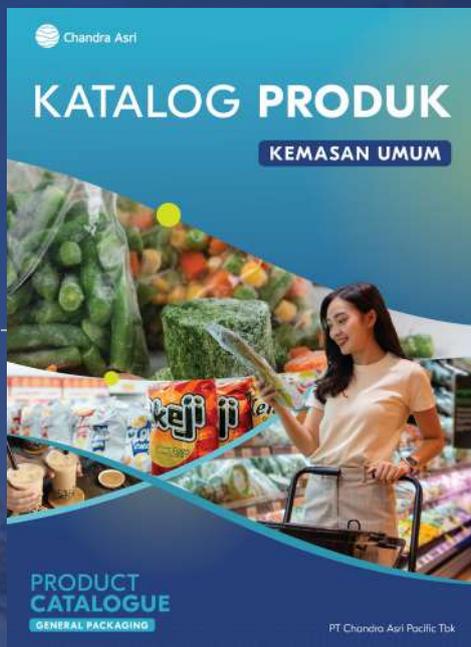
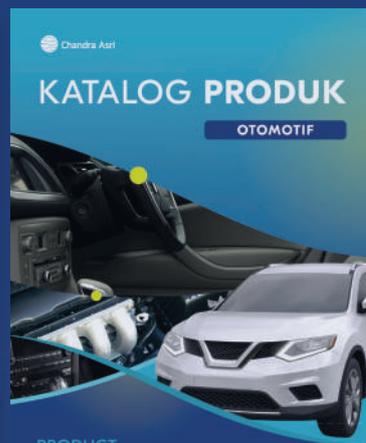
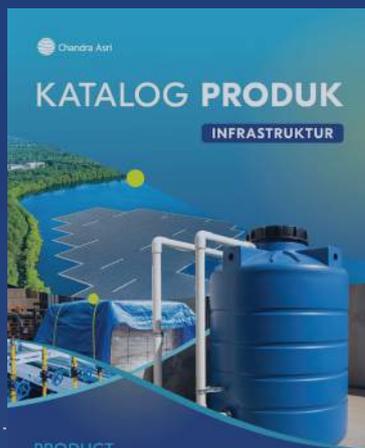
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## Infrastruktur

Infrastructure

## Otomotif

Automotive



## Kemasan Umum

General Packaging

## Produk Rumah Tangga

Households Items

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Brands	Grades					
		Traditional packaging	Flexible packaging	Personal Care	Food & Beverage	Healthcare
Asrene® LLDPE	UF1810	V	V			
	UF1810T	V	V			
	UF1810SI	V	V			
	UF1820	V				
	UF1820T	V				
	UF1820SI	V				
	UF1810MH		V			
	UF1810MT		V			
	UF1820MH		V			
	UF1820MT		V			
	UI2650					
	UI2420					
	UF1835MH					
Asrene® HDPE	SF5007	V				
	UF5205H	V				
	UB5502H			V		
	UB5205H			V		
	UB5206H			V		
Trilene® Homopolymer	HF10TQ	V				
	HF2.0BM		V			
	HF7.0CP		V			
	HF8.0CM		V			
	HI10HO			V	V	
	HI35HO				V	
	HE2.0TF				V	
	HY3.8FY				V	
	HS35NW					V
Trilene® Impact Copolymer	BI5.0GA				V	
	BI9.0GA				V	
	BI5.0GN					
	BI32AN					
Trilene® Random Copolymer	RI10HC02			V		V
	RI20HC02			V		V

Application						
Goodie Bag & Bedding	Agriculture	Industrial Containers	Compounding	Heavy Duty	Stretch Wrap	Woven
	v					
					v	
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