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CYNPOL®

Polyethylene Resins

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CYNPOL®

Polyethylene Designed for Durability and Ease of Processability for Applications Across Various Industries.

Blow Molding (HDPE)

Grade	MFI	Density	Key Characteristics	Applications
HD5502	0.3	0.955	High stiffness and stress crack resistance.	Small household & industrial chemical containers, drainage pipes, thin sheets.
HD5502H	0.35	0.955	Similar to HD5502 but slightly higher MI for better processability.	
HDB354	0.35	0.954	Hexene copolymer grade with good ESCR.	Pharmaceutical and cosmetic bottles, household, chemical and oil containers.
HDB349	0.3	0.949	Medium molecular weight. Excellent processing with high ESCR.	Small and medium blow molded products. Extrusion pipes, conduits and sheets. Chemical and household containers.
HD6007	0.72	0.962	Excellent impact strength with good stiffness.	Milk, juice & water bottles, extrusion sheets.
HM50100	HL 10	0.950	High molecular weight grade with excellent ESCR.	Large part blow molding, agricultural products containers, heavy sheets, portable fuel tanks.
HM0950	HL 9.5	0.950	Bi-modal high molecular weight with high MI.	Corrugated pipes for storm sewers, drainage heavy-duty piping systems.

Film (HDPE / MDPE)

Grade	MFI	Density	Key Characteristics	Applications
HM6015	0.06	0.952	High molecular weight Bi-modal grade. Superior impact strength.	Blown films, grocery bags, trash bags, industrial liners.
MDF337	0.30	0.937	Medium density, excellent toughness and stiffness, superior bubble stability.	Soft shopping bags, blending with LLDPE and LDPE for various purpose films.

CYNPOL® HDPE meets the requirements of FDA regulation 177.1520.

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Injection Molding (HDPE)

Grade	MFI	Density	Key Characteristics	Applications
HD0553	4.5	0.953	Narrow molecular weight with high stiffness and impact strength with high load bearing capacity.	Crates, pallets, pails, containers, caps and closures.
HD0653	6.5	0.953	High impact strength with excellent ESCR.	Pails, pail lids, caps for water bottles, chemical containers.
HD0753	6.9	0.953	Good balance between flexibility and rigidity.	Pail, pail lids, caps for water bottles, industrial containers.
HD0662 (UV*)	6.5	0.962	High stiffness hexene copolymer grade with good impact strength and flexural modulus.	Crates, pallets, pails, tote boxes. *UV: Strong UV resistance.
HD0865 (UV*)	8.2	0.965	Excellent stiffness, good impact strength.	Outdoor crates, containers, trays, pallets, and storage solutions. *UV: Strong UV resistance.
HD2052	20	0.952	Good stiffness and impact strength. Excellent chemical resistance.	Crates, pails, and trays, houseware and household storage containers.
HD2055	20	0.955	Good processing characteristics with excellent toughness.	Houseware, food storage containers, caps and closures.

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Film (LDPE)

Grade	MFI	Density	Key Characteristics	Applications
LDF319	0.25	0.919	Excellent impact strength and puncture resistance, barefoot grade.	Heavy duty bags and sacks, shrink films, blown films and bottles.
LDF322	0.33	0.922	Good balance of puncture, clarity, tear, shrink properties, barefoot grade.	Collation and pallet shrink films, food packaging films, surface protection films, heavy duty bags, agriculture films, foams.
LDF719	0.75	0.919	Excellent shrink film properties and processability.	Collation and pallet shrink films, food packaging films, surface protection films, heavy duty bags films.
LD0220	2.0	0.920	Good impact strength, barefoot grade.	General packaging films for easy processing of trash bags, various liners.
LD0221F	2.0	0.921	Excellent clarity, stiffness, impact strength. Slip 750ppm, Anti-block 1500ppm.	Bread bags, textile bags, food packaging films, thin packaging films.
LD0223F	2.0	0.923	Excellent clarity blown film grade. Slip 750ppm, Anti-block 1000ppm.	Shrink films, bags and sacks, food packaging films, lamination films.
LD0423F	4.0	0.923	Good clarity blown film grade. Slip 900ppm, Anti-block 1200ppm.	Laundry films, zipper bags, high clarity packaging films.

Extrusion Coating, Lamination Film (LDPE)

Grade	MFI	Density	Key Characteristics	Applications
LD0718	7.0	0.918	Autoclave extrusion coating, lamination grade.	Foil, food packaging, lamination films.

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Film (LLDPE)

Grade	MFI	Density	Key Characteristics	Applications
LL0118	1.0	0.918	Excellent drawdown and puncture strength, barefoot grade.	General packaging films, stretch-wrap films, cast films.
LL0118F	1.0	0.918	Good puncture resistance, toughness. Slip 1000ppm, Anti-block 3500ppm.	General packaging films, food packaging films, shipping sacks & liners, agricultural films.
LL0118H	1.0	0.918	Excellent drawdown and puncture strength. Slip 1350ppm, Anti-block 7000ppm.	General packaging films, general purpose blown films, trash bags.
LL0218	2.0	0.918	Excellent drawdown, puncture strength and toughness, barefoot grade.	Stretch wrap and co-extrusion films, industrial films, heavy duty bags, trash liners.
LL0218F	2.0	0.918	Good strength-flexibility balance. Slip 1500ppm, Anti-block 3500ppm.	General packaging films, bread bags, food packaging films.
LL0218H	2.0	0.918	Excellent drawdown and puncture strength. Slip 1350ppm, Anti-block 7000ppm.	General packaging films, food packaging films, trash bags.
LL0318	2.8	0.918	Excellent high temperature stability used in cast film extrusion.	Cast films, cast stretch films, pallet stretch-wrap films, food packaging.
LL0325	3.5	0.925	High stiffness, mechanical strength, barefoot grade.	Cast films, blending with LDPE and metallocene for general packaging films.

CYNPOL® LLDPE meets the requirements of FDA regulation 177.1520.

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Film (Hexene LLDPE)

Grade	MFI	Density	Key Characteristics	Applications
LL6118	1.0	0.918	Excellent mechanical properties, barefoot grade.	Stretch wrap & co-extrusion films, industrial films, heavy duty bags, trash bags.
LL6118H	1.0	0.918	Excellent mechanical properties. Slip 1350ppm, Anti-block 6500ppm.	Industrial liners & heavy duty bags, trash bags and freezer films.
LL6118F	1.0	0.918	Excellent draw down, puncture strength and toughness. Slip 1200ppm, Anti-block 3500ppm.	General packaging films, industrial films and bags, heavy duty bags, trash liners.
LL6318	3.2	0.918	Excellent tensile strength and toughness, barefoot.	Cast stretch films, compounding base resin.

Injection Molding and Roto Molding (LLDPE)

Grade	MFI	Density	Key Characteristics	Applications
LL2025	20	0.925	Excellent impact strength, rigidity, ESCR and processability.	Lids and closures, large industrial containers, trash cans, compounding.
LL5026	50	0.926	Designed for excellent flow with good stiffness.	Lids, closures, containers, houseware, compounding.
MD0339 UV	3.6	0.939	Rotational molding, stabilized resin. UV-12	Agricultural storage tanks, water tanks, Chemical storage tanks, trash cans, playground toys.
LL0535 UV	5.0	0.935	Excellent processability, low warpage, good mechanical properties. UV-12	Rotational molding, intermediate bulk containers, agricultural storage tanks, water tanks.

CYNPOL® LLDPE meets the requirements of FDA regulation 177.1520.

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Film (mLLDPE)

Grade	MFI	Density	Key Characteristics	Applications
mLL 0118	1.0	0.918	Super clarity and gloss, high tensile and puncture resistance, barefoot grade.	Clarity packaging, heavy-duty packaging, sealing layer in multilayer films.
mLL 0118H	1.0	0.918	Enhanced tear strength and puncture resistance. Excellent clarity. Slip 1000 ppm, Anti-block 5000ppm.	Sealing layer in multilayer films, heavy-duty film applications, compatible with LDPE and LLDPE.
mLL 0115	1.0	0.915	Excellent impact strength and sealing properties, barefoot grade.	Heavy-duty packaging, ice bags, stretch hood films.
mLL 0115H	1.0	0.915	Better processability in high-speed film extrusion. Similar to mLL0115 but with additives.	Heavy-duty packaging, stretch hood films, sealing layers in multilayer packaging.
mLL 0318	3.5	0.918	Designed for cast or blown film applications, super clarity and gloss, barefoot grade.	Stretch wrap films, co-extrusion layer.
mLL 0418	4.5	0.918	Similar to mLL0318 but with a higher melt index.	Stretch wrapping films, co-extrusion layer in flexible packaging.

Extrusion and Injection Molding (EVA)

Grade	MFI	Density	Key Characteristics	Applications
EVA0218	2.0	0.943	VA Content 18%. High flexibility and low-temperature resistance.	Foams, profile extrusion, shoe soles (injection molding).

CYNPOL® mLLDPE and EVA meets the requirements of FDA regulation 177.1520.

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ALLIANCE TO END PLASTIC WASTE

Vinmar is a global marketing and distribution company that brings value to the world's leading producers and users of plastics and chemicals through the supply of best in class products and tailored business solutions.

With over 45 years of experience and success, Vinmar has grown into one of the world's largest plastics and chemicals marketing and distribution companies. The company has over 58 offices in more than 35 countries with sales in excess of 110 countries.

CYNPOL® grades are select high quality products produced by the most advanced and widely accepted polyolefin technology.

CYNPOL® grades are packaged and distributed globally through the Vinmar network of offices.

- High Density Polyethylene
- Low Density Polyethylene
- Linear Low Density Polyethylene
- Metallocene
- Ethyl Vinyl Acetate

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