PVC RESIN



1. PVC RESIN

Polyvinyl Chloride (PVC or Vinyl) is a high-strength thermoplastic material. It is widely used in applications such as pipes, medical devices, and wire & cable insulation, etc.

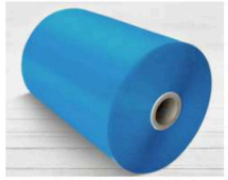
Types of PVC	K-Value	Application
PVC Fitting	57 - 59	Pipe fittings, Stretch film
PVC Pipe	65 - 67	Water pipes, Profile, Soft shoes sole
PVC Compound	70 - 71	Electrical wire, Eltectrical cable PVC compound

POPULAR BRANDS

Haiwan 海湾集团 | Sinopec | LG Chem | CGPC | Formosa Plastics | TPC VINA | Westlake | SCG

APPLICATIONS


Pipe fittings


Stretch film


Water pipes


Profile


Soft shoes sole


Eltectrical cable


Electrical wire


PVC compound

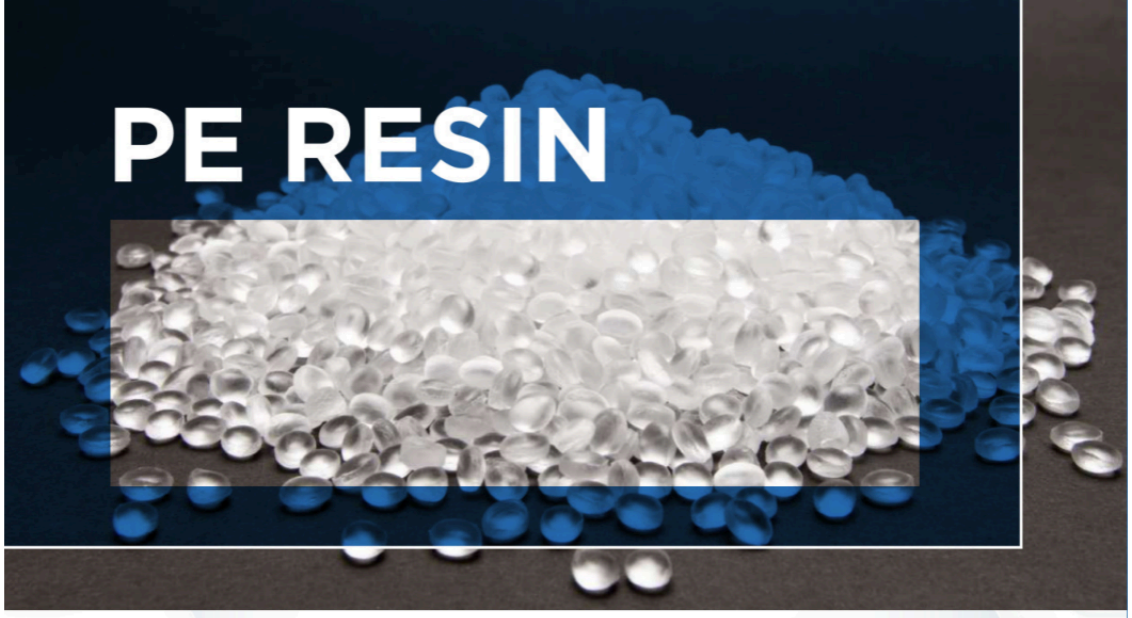

PP RESIN

2. PP RESIN

- ★ Polypropylene (PP) is a tough, rigid, and crystalline thermoplastic.
- ★ This linear hydrocarbon resin is the lightest polymer among all commodity plastics.
- ★ There are 2 types of PP resin, including homopolymer and copolymer.

Types of PP	Melt Flow Index	Application
PP Yarn (Raffia)	3 - 3.5 4 - 5	PP bags, Shade nets, Laminated PP bags, Greenhouse twines and FBIC bags, etc.
PP Injection	10 - 20	Household appliances, Tables and Chairs, Brass, Pots, Water containers, etc.
PP Film	8 - 10 - 11	Common packaging applications.
PP Lamination	25 - 30	The automotive, Construction, and Textile industries, etc.
PP Non-woven	25 - 35 - 40	Wet towels, Non-woven PP bags, etc.
PP Block Copo	2.7- 4.5 - 9 - 30 39 - 45 - 65 - 70	Packaging, Houseware, Automobile parts, Textile production, Medical instruments, etc.
PP Impact Copo	5.5 - 9 - 20 - 30 38 - 40 - 60 - 70	Packaging, Houseware, Film, and Pipe, The automotive and electrical items, etc.
PP Random Copo	12 - 13 - 25 - 30	Containers, Housewares, office accessories, Syringes, Medical storage, Bottles, and Sheets.

POPULAR BRANDS



Polyethylene (PE) resin is the most-used resin in the plastic packaging industry. They have the 3-zero properties of non-electrical, non-thermal and waterproof. PE plastic is light, durable, and has a certain flexibility, so this plastic line is trusted and applied in many industries: packaging, toys, household appliances, and the electrical industry.

3.1 HIGH DENSITY POLYETHYLENE (HDPE)

HDPE is one of the most versatile plastic materials around, being used in a wide variety of applications, including plastic bottles, milk jugs, shampoo bottles, bleach bottles, cutting boards, and piping.

Types of HDPE	Melt Flow Index	Application
Film	0.05 - 1 9 - 10	Grocery sacks, High quality thin films for multi wall sack liners, Trash bags, etc.
Injection	4 - 8 17 - 20	Toys, Houseware, Agriculture and Food crates, etc.
Pipe	PE100 - PE80	Gas & Water pipe systems, Industrial pipe systems, etc.
Blow Molding	0.3 - 0.7	Ice chests and Coolers, Industrial chemical containers, Tanks, etc.
Yarn	0.8- 0.95 1.0 - 1.2	Fishing net, Agriculture net, Rope, etc.

3. PE RESIN

3.2 LOW DENSITY POLYETHYLENE (LDPE)

LDPE is a flexible, odorless, transparent, 100% recyclable thermoplastic polymer popular in products like grocery/garbage bags, juice containers, and cling wrap.

Types of LDPE	Melt Flow Index	Application
Film	1 - 5	Lamination film, Shrink film, Food & Non-food Packaging films, Surface protection films, etc.
Coating	3.5 - 8	Extrusion coating for OPA/OPP film, Paper board, Aluminum, etc.

3.3 LINEAR LOW DENSITY POLYETHYLENE (LLDPE)

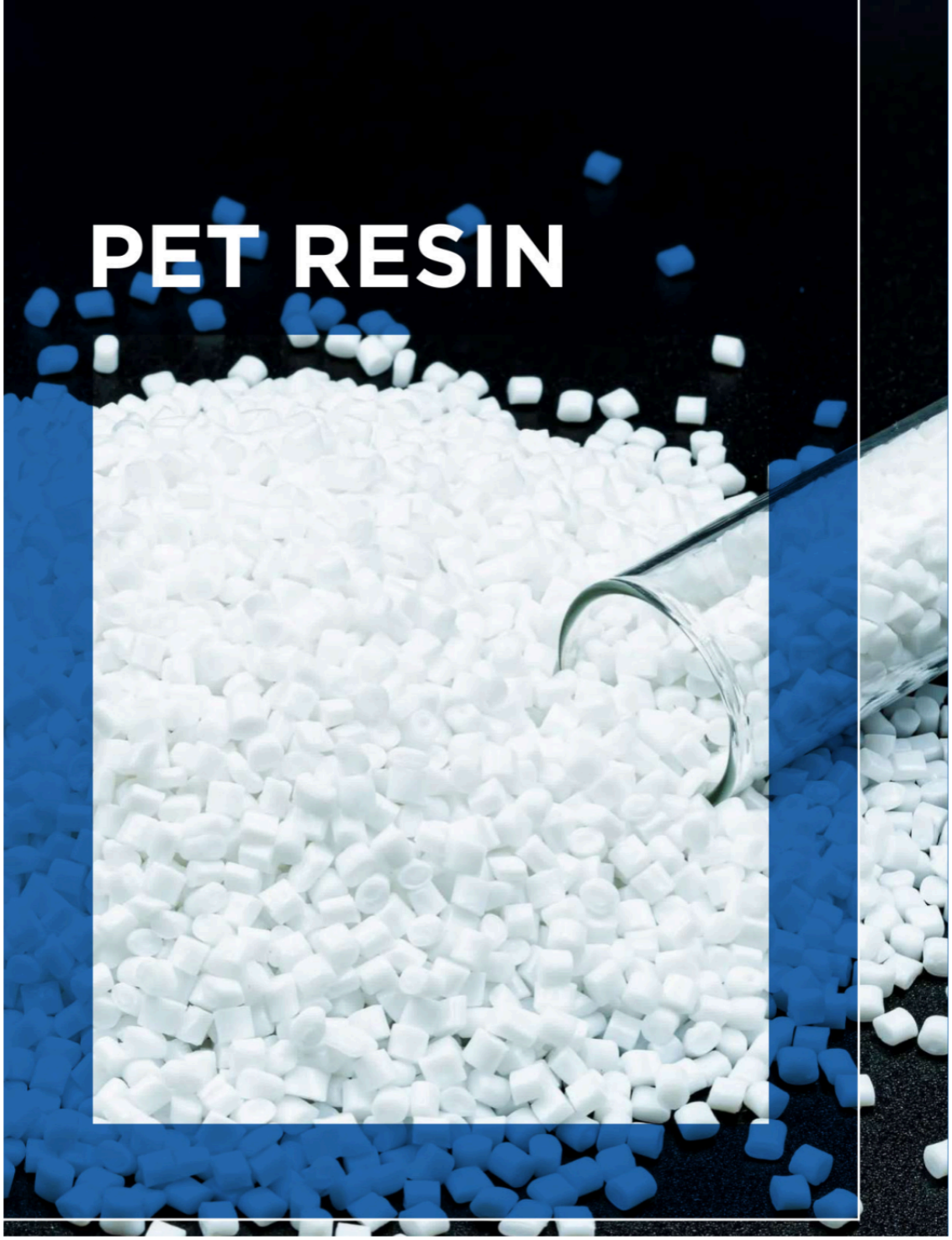
LLDPE is a soft polyethylene that is produced under high pressure. It combines the properties of LDPE and HDPE and is therefore an intermediate form of these two types of PE.

Types of LLDPE	Melt Flow Index	Application
Film	0.75 - 5	Lamination film, Thin liners, Shopping bags, etc.
Stretch film	1 - 5	Cast film, Iiner, Shipping Sacks, Agriculture film, etc.
Injection	20, 23, 50	Housewares, Thin walled food containers, Automotive parts, Masterbatch, etc.
Rotational molding	4 - 5	Large crate containers, Tanks, Barricade, Toys, etc.

POPULAR BRANDS

Lotrène | OQ | SIBUR | التصنيع TASNEE

LYB LyondellBasell | سابك sabic | بروج Borouge | ExxonMobil


PET RESIN

4. PET RESIN

Polyethylene Terephthalate (PET) is one of the most commonly used thermoplastics and also the most recycled plastic globally. They have good chemical resistance, are odorless, tasteless, and non-toxic to humans.

Types of PET	Intrinsic Viscosity	Application
Film PET	0.645	PET film
Bottle Hotfill Grade PET	0.76 - 0.78	Hot filling water bottles, Mineral bottles, Sheet, etc.
Bottle Grade PET	0.80	Packing bottles like pure water bottles, Textile, etc.
Oil Bottle Grade PET	0.83	Oil bottle, Alcoholic beverages, Pharmaceuticals, etc.
CSD Bottle Grade PET	0.84	Carbonated drinks bottles, 3-gallon and 5-gallon big bottles, etc.
Fast Reheat	0.86 - 0.875	Carbonated soft drink bottle with energy-saving advantage during bottle blowing, etc.

POPULAR BRANDS

YISHENG

JADE 翠钰

CR CHEM-MAT

WKAI

Recron Malaysia Sdn Bhd

百宏实业控股有限公司 BILLION INDUSTRIAL HOLDINGS LIMITED

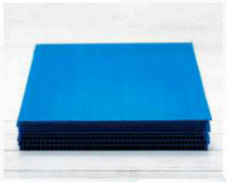
Reliance Industries Limited

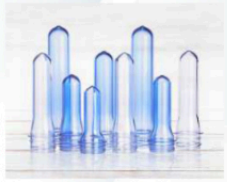
OCTAL an Alpek Polyester Business

APPLICATIONS









OTHER RESINS



APPLICATIONS



Automotive



Medical & Healthcare



Solar Panel



Electrical Industry

5. OTHER RESINS

TLD Vietnam offers a wider range of plastic resins, like EVA, as well as engineering plastics such as PA-ABS-PC-SAN. These plastic resins offer better mechanical and/or thermal properties and are used for smaller and more complex items.

Types of Resin	Features	Application
EVA	Low - High VA	Footwear, Automotive, Solar panel, Adhesive, etc.
GPPS	General Purpose - High Heat	Packaging, Plates, Cups, Disposable cups for CDs and DVDs, etc.
HIPS	Medium & High Impact	Packaging, Signs & displays, Automotive, Toys, Medical devices, etc.
ABS	GP, Extrusion, HH, Powder, Low Gel	Automotive, Consumer & Medical Goods, Machinery Components, etc.
PC	Neat, FR UV & FDA	Transparent panels & windows, Pipes, Rods, Electronic enclosures, Display panels, Protective covers, etc.
PMMA	Transparent, Heat-Resistant, Scratch-Resistant	LED lights, Car windows, Motorcycle windshields, Interior & Exterior panels, Fenders, etc.
POM	M90 - M270	Automotive, Electrical, Fluid handling systems, Industrial machinery, Medical and Healthcare, etc.
PBT	PBT Blends GF & FR	Electrical engineering, Construction, Car sockets, Household appliances, Keycaps, etc.

POPULAR BRANDS

ExxonMobil · 台塑關係企業 · LOTTE · KUMHO PETROCHEMICAL · LANXESS Energizing Chemistry · TTC · Polyplastics · 利万 LIWAN