



AYLER POLYMER

High density polyethylene

INJECTION_{grades}

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HDPE

Injected heavy polyethylene has high hardness, chemical resistance, non-permeability, and dielectric properties. The higher the density of this product, the stronger, stiffer and heat resistant the plastic becomes. Its resistance to chemicals is good as well as its resistance to environmental breaking stresses; In other words, it can be said that injected heavy polyethylene has good performance in terms of tensile strength, chemical resistance, heat, surface hardness and wear resistance



52518

Properties	Unit	Typical Value	Test Method
Density	g/cm ³	0.952	ASTM D 1505
MFR(190°C/2.16kg)	g/10 min	18	ASTM D 1238
Notched Izod impact	J/m	6.2	ASTM D 256/A
Flexural Modulus	MPa	1350	ASTM D 709

52B18

Properties	Unit	Typical Value	Test Method
Density	g/cm ³	0.952	ASTM D 1505
MFR(190°C/2.16kg)	g/10 min	18	ASTM D 1238
Tensile Stress break	MPa	23	ASTM D 638
Tensile Stress at Yield	MPa	19	ASTM D 638

HI500

Properties	Unit	Typical Value	Test Method
Density	g/cm ³	0.967	ASTM 792
Melt flow rate(190 c/2.16kg)	g/10 min	4-6	ASTM1238
ESCR	Hr	4	ASTM D 1693
Tensile Stress at break	gr/cm ²	170min	ASTM D 638

62N07

Properties	Unit	Typical Value	Test Method
Density	g/cm ³	0.962	ASTM D 1505
Melt Index	g/10 min	0.35	ASTM D 1238
Izod Impact Resistance	J/m	55	ASTM D 256
Tensile Stress at Yield	MPa	30	ASTM D 638

52518

Polyethylene 52518 is a heavy-duty polyethylene (HDPE) injection-grade copolymer. Material 52518 is

suitable for injecting components that require a balance between flowability and mechanical

properties, such as kitchen utensils, toys and other injectable components.

Applications

- Housewares
- Injection molding articles

Features

- good balance between processability, flowability and mechanical properties.
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52B18

HD52B518 is a injection moulding grade high density polyethylene. Good strength , easy processing, high rigidity and uv resistance make it especially suitable for usage in crates<Home Appliances

Features

- Processability, flowability and mechanical properties

Applications

- injection moulding of crates and houseware

HI500

1500 polyethylene is an injection grade heavy polyethylene that offers high mechanical properties. The use of HI500 materials is in the injection of industrial parts and boxes and parts with thick walls..

Features

- high stiffness
- good physical properties

Applications

- Crates
- Industrial parts
- Thick wall parts

62N07

HD 62N07 is a injection-moulding grade high density polyethylene. Good impact strength, easy processing, high rigidity and UV resistance make it especially suitable for usage in crates, pallets, seats and house holdware

Features

- Good impact strength
- easy processing
- high rigidity
- UV resistance

Applications

- Injection Moulding Grade for Pallets, Boxes and Crates.



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