



BEHDAD PLAST

HIGH DENSITY POLYETHYLENE

Injection Molding Grade – 52518

HDPE 52518 is a high-density polyethylene resin designed for injection molding applications.

It offers excellent balance between stiffness and impact resistance, with good flow properties for easy molding of medium to large-size industrial parts. Typical applications include crates, pallets, containers, and various industrial components.

No.	PROPERTY	VALUE	UNIT	TEST METHOD
1	Density	952 ± 2	kg/m ³	ASTM D1505
2	Flexural Modulus	≥ 1350	MPa	ASTM D790
3	Izod Impact Strength @23°C	≥ 25	J/m	ASTM D256/A
4	Melt Flow Rate (MFR "E")	18 ± 2	g/10 min	ASTM D1238
5	Vicat Softening Temperature	≥ 122	°C	ASTM D1525

Applications:

- Industrial and household crates
- Pallets for material handling
- Containers for chemicals or food
- Household items requiring durability
- Automotive parts where moderate strength and impact resistance are needed

Manufacturer:

Jam Petrochemical Company

Packaging:

25 kg PE bags-55 bag(approximately 1.375 MT) on a pallet, shrink wrapped. Optional: Jumbo Bags available upon request



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