



HDPE 52518

High Density Polyethylene · Injection Moulding Grade

Also traded as HD52518 · Origin: Iran

MFI (190 °C / 2.16 KG)

18 g/10 min

DENSITY

0.952 g/cm³

PROCESS

Injection

FLEXURAL MODULUS

1200 MPa

PRODUCT DESCRIPTION

HDPE 52518 is a high-flow HDPE copolymer for injection moulding, offering a good balance between easy processing, flowability and mechanical properties. It is widely used for housewares, toys and flower pots.

- High fluidity
- Balanced stiffness & impact
- Easy processing
- Short cycle times

PROCESSING GUIDE

Process	Injection moulding
Melt temperature	180 – 240 °C
Mould temperature	20 – 40 °C
Form	Natural pellets

TYPICAL PROPERTIES

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
PHYSICAL			
Melt Flow Index (190 °C / 2.16 kg)	ASTM D1238	g/10 min	18
Density	ASTM D1505	g/cm ³	0.952
MECHANICAL			
Flexural Modulus	ASTM D790	MPa	1200
Izod Impact Strength, notched (23 °C)	ASTM D256	J/m	19
THERMAL			
Vicat Softening Point	ASTM D1525	°C	121

APPLICATIONS



Housewares



Toys



Flower Pots



Caps & Closures

PACKAGING

25 kg PE / woven bags
Palletised or jumbo on request
20' / 40' container loading

SUPPLY

Delivery ex-factory or at border
100% pre-shipment inspection
Full export documentation



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◆ DIRECT SUPPLY FROM IRAN

◆ PREMIUM GRADES

◆ COMPETITIVE PRICES

◆ WORLDWIDE EXPORT

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The values above are typical and are not to be construed as specification limits. Users should verify suitability for their own process and application.

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