

# Jam HD-52518

High Density Polyethylene

Jam Petrochemical Company

**PROSPECTOR**<sup>®</sup>

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## Technical Data

### Product Description

HD-52518 is a HDPE copolymer which manufactured by gas phase process. This grade is LLDPE Injection Moulding, Extrusion Coating & Rotomoulding. Injection molding for application requiring a good balance between easy of processability and flowability and mechanical properties are the special purpose of this grade.

#### Features

- Good balance between easy of processability and flowability

#### Applications

- Housewares
- High fluidity

### General

Material Status	• Commercial: Active
Literature <sup>1</sup>	• <a href="#">Technical Datasheet (English)</a>
Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America
Additive	• Antioxidant
Features	• Antioxidant • Copolymer • Good Processability • High Flow
Uses	• Household Goods
Forms	• Pellets
Processing Method	• Extrusion Coating • Injection Molding • Rotational Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.952 g/cm <sup>3</sup>	0.952 g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	18 g/10 min	18 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Flexural Modulus	196000 psi	1350 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	0.47 ft·lb/in	25 J/m	ASTM D256A
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	252 °F	122 °C	ASTM D1525

### Notes

<sup>1</sup> These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

<sup>2</sup> Typical properties: these are not to be construed as specifications.



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Where to Buy

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Supplier

**Jam Petrochemical Company**  
Tehran, Iran  
**Telephone:** +98-218-889-8736-8  
**Web:** <http://www.jpcomplex.com>

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Distributor

Please contact the supplier to find a distributor for Jam HD-52518

