

## Petromont 3000 High Density Polyethylene Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

**Material Notes:**

Petromont HDPE 3000 is a high density polyethylene resin produced using the UNIPOL® Process. This resin is designed for injection moulding applications such as crates, cases, trays, tote bins and other similar objects requiring rigidity, toughness and freedom from warpage. Petromont HDPE 3000 is a medium molecular weight homopolymer resin. Its very narrow molecular weight distribution and high density make it ideally suited for injection moulding applications where outstanding stiffness, warp resistance and toughness are demanded. Parts moulded from Petromont HDPE 3000 exhibit high gloss, low odour and are suitable for food packaging applications.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Petromont-3000-High-Density-Polyethylene-Resin.php](http://www.lookpolymers.com/polymer_Petromont-3000-High-Density-Polyethylene-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.965 g/cc	0.0349 lb/in <sup>3</sup>	ASTM D1505
ESCR 10% Igepal®	40 hour	40 hour	F <sub>50</sub> ; ASTM D1693
Melt Flow	8.9 g/10 min	8.9 g/10 min	I <sub>2</sub> ; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	32.4 MPa	4700 psi	ASTM D638
Flexural Modulus	1.72 GPa	249 ksi	ASTM D790
Tensile Impact Strength	67.3 kJ/m <sup>2</sup>	32.0 ft-lb/in <sup>2</sup>	ASTM D1822

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -100 °C	<= -148 °F	ASTM D746

Descriptive Properties	Value	Comments
Process	Injection Molding	

## Contact Songhan Plastic Technology Co.,Ltd.

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