

## Petromont 1202 High Density Polyethylene Resin

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

### Material Notes:

Petromont HDPE 1202 is a high-density polyethylene copolymer resin produced using the UNIPOL® Process. This resin is designed for use in the blow moulding of large parts such as shipping containers ranging in sizes from 19 to 210 litres (5 to 55 gallons). It is also used in automotive fuel tanks, jerrycans, sleds, floating docks, etc. Petromont HDPE 1202 is a high molecular weight hexene modified resin with a broad molecular weight distribution offering excellent parison stability, combined with excellent stress cracking resistance, toughness and good rigidity. It also has excellent resistance to most chemicals.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Petromont-1202-High-Density-Polyethylene-Resin.php](http://www.lookpolymers.com/polymer_Petromont-1202-High-Density-Polyethylene-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.948 g/cc	0.0342 lb/in <sup>3</sup>	ASTM D1505
ESCR 100% Igepal®	>= 2000 hour	>= 2000 hour	F<sub>50</sub>; ASTM D1693-B
ESCR 10% Igepal®	>= 1000 hour	>= 1000 hour	F<sub>50</sub>; ASTM D1693-B
Melt Flow	0.080 g/10 min	0.080 g/10 min	I<sub>2</sub>; ASTM D1238
	10 g/10 min	10 g/10 min	I<sub>21</sub>; ASTM D238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	35.1 MPa	5090 psi	ASTM D638
Tensile Strength, Yield	24.1 MPa	3500 psi	ASTM D638
Elongation at Break	600 %	600 %	ASTM D638
Flexural Modulus	1.07 GPa	155 ksi	ASTM D790
Izod Impact, Notched	>= 2.13 J/cm	>= 3.99 ft-lb/in	ASTM D256

Descriptive Properties	Value	Comments
Process	Blow Molding	

## Contact Songhan Plastic Technology Co.,Ltd.

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