

Petromont 1201 High Density Polyethylene Resin

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

Material Notes:

Petromont HDPE 1201 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 multi-purpose shipping containers (closed head and/or open head) ranging in sizes from 10 to 114 litres (2.5 to 30 gallons). It is also used in other large parts such as toys (sleds), gasoline tanks for lawn mowers or snow blowers, etc. Petromont HDPE 1201 is a medium molecular weight hexene modified resin with a broad molecular weight distribution offering an excellent combination of stress cracking resistance, toughness, mouldability, parison stability and rigidity as well as excellent resistance to most chemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Petromont-1201-High-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.953 g/cc	0.0344 lb/in ³	ASTM D1505
ESCR 100% Igepal®	>= 600 hour	>= 600 hour	F₅₀; ASTM D1693-B
Melt Flow	0.12 g/10 min	0.12 g/10 min	I₂; ASTM D1238
	13 g/10 min	13 g/10 min	I₂₁; ASTM D238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	24.8 MPa	3600 psi	ASTM D638
Tensile Strength, Yield	24.8 MPa	3600 psi	ASTM D638
Elongation at Break	600 %	600 %	ASTM D638
Flexural Modulus	1.13 GPa	164 ksi	ASTM D790
Izod Impact, Notched	>= 1.07 J/cm	>= 2.00 ft-lb/in	ASTM D256

Descriptive Properties	Value	Comments
Process	Blow Molding	

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