

NOVA Chemicals Novapol® HB-L354-A HDPE Blow Molding Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Blow Molding Grade

Material Notes:

Good balance of physical and molding properties-high toughness, Excellent processability on high-speed, multiple-head blow molding lines, UL-94HB listed Applications: Household chemical bottles, Industrial chemical bottles, Automotive fluid bottles, Toys Additives: Process stabilizer Information provided by NOVA Chemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Novapol-HB-L354-A-HDPE-Blow-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.955 g/cc	0.0345 lb/in ³	ASTM D792
Environmental Stress Crack Resistance	48 hour	48 hour	F ₅₀ ; Condition B, 100% Igepal; ASTM D1693
Melt Flow	0.30 g/10 min @Load 2.16 kg, Temperature 190 °C	0.30 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	31.0 MPa	4500 psi	50 mm/min; ASTM D638
Elongation at Break	900 %	900 %	50 mm/min; ASTM D638
Flexural Modulus	1.18 GPa	171 ksi	at 1% Secant; ASTM D790
Izod Impact, Notched	2.70 J/cm	5.06 ft-lb/in	ASTM D256

Processing Properties	Metric	English	Comments
Melt Temperature	160 - 205 °C	320 - 401 °F	

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