

## NOVA Chemicals Novapol® HB-W555-AC PE Blow Molding Resin

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

**Material Notes:**

High molecular weight, High rigidity, Excellent impact strength, Excellent ESCR, Used in high purity chemical packaging Information provided by NOVA Chemicals.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_NOVA-Chemicals-Novapol-HB-W555-AC-PE-Blow-Molding-Resin.php](http://www.lookpolymers.com/polymer_NOVA-Chemicals-Novapol-HB-W555-AC-PE-Blow-Molding-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.955 g/cc	0.0345 lb/in <sup>3</sup>	ASTM D792
Environmental Stress Crack Resistance	>= 500 hour	>= 500 hour	F <sub>&gt;50</sub> ; Condition A, 100% Igepal; ASTM D1693
Melt Flow	5.0 g/10 min @Load 2.16 kg, Temperature 190 °C	5.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	28.0 MPa	4060 psi	50 mm/min; ASTM D638
Elongation at Break	830 %	830 %	50 mm/min; ASTM D638
Flexural Modulus	1.40 GPa	203 ksi	at 1% Secant; ASTM D790
Izod Impact, Notched	7.20 J/cm @Thickness 3.20 mm	13.5 ft-lb/in @Thickness 0.126 in	ASTM D256
Tensile Impact Strength	420 kJ/m <sup>2</sup>	200 ft-lb/in <sup>2</sup>	ASTM D1822

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

Processing Properties	Metric	English	Comments
Melt Temperature	180 - 220 °C	356 - 428 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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