

Dow DMDA-8965 NT 7 High Density Polyethylene Resin

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

Material Notes:

DOW DMDA-8965 NT 7 is produced using UNIPOL™ process technology. It is intended for use in thin wall injection molding applications such as food containers. Information provided by Dow

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-DMDA-8965-NT-7-High-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.952 g/cc	0.0344 lb/in ³	ASTM D792
Melt Index of Compound	66 g/10 min @Load 2.16 kg, Temperature 190 °C	66 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	59	59	Molded and tested in accordance with ASTM D4976; ASTM D2240
Tensile Strength at Break	28.3 MPa	4100 psi	Molded and tested in accordance with ASTM D4976; ASTM D638
Tensile Strength, Yield	17.2 MPa	2500 psi	Molded and tested in accordance with ASTM D4976; ASTM D638
Elongation at Break	10 %	10 %	Molded and tested in accordance with ASTM D4976; ASTM D638
Elongation at Yield	1.0 %	1.0 %	Molded and tested in accordance with ASTM D4976; ASTM D638
Flexural Modulus	1.00 GPa	145 ksi	2% Secant; Molded and tested in accordance with ASTM D4976; ASTM D790 B
Tensile Impact Strength	63.0 kJ/m ²	30.0 ft-lb/in ²	Molded and tested in accordance with ASTM D4976; ASTM D1822, Type S

Thermal Properties	Metric	English	Comments
Melting Point	128 °C	262 °F	Dow Method (DSC)
Crystallization Temperature	116 °C	241 °F	Dow Method (DSC)
Deflection Temperature at 0.46 MPa (66 psi)	68.9 °C	156 °F	Molded and tested in accordance with ASTM D4976; ASTM D648
Vicat Softening Point	122 °C	252 °F	ASTM D1525
Brittleness Temperature	-20.0 °C	-4.00 °F	Molded and tested in accordance with ASTM D4976; ASTM D746

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China