

## Dow DMDA-8980 NT 7 High Density Polyethylene Resin

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

### Material Notes:

DOW DMDA-8980 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-8980-NT-7-High-Density-Polyethylene-Resin.php](http://www.lookpolymers.com/polymer_Dow-DMDA-8980-NT-7-High-Density-Polyethylene-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.952 g/cc	0.0344 lb/in <sup>3</sup>	ASTM D792
Melt Index of Compound	80 g/10 min @Load 2.16 kg, Temperature 190 °C	80 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	52	52	Molded and tested in accordance with ASTM D4976; ASTM D2240
Tensile Strength at Break	17.9 MPa	2600 psi	Molded and tested in accordance with ASTM D4976; ASTM D638
Tensile Strength, Yield	19.3 MPa	2800 psi	Molded and tested in accordance with ASTM D4976; ASTM D638
Elongation at Break	20 %	20 %	Molded and tested in accordance with ASTM D4976; ASTM D638
Elongation at Yield	6.0 %	6.0 %	Molded and tested in accordance with ASTM D4976; ASTM D638
Flexural Modulus	1.04 GPa	151 ksi	2% Secant; Molded and tested in accordance with ASTM D4976; ASTM D790 B
Tensile Impact Strength	42.0 kJ/m <sup>2</sup>	20.0 ft-lb/in <sup>2</sup>	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)	67.8 °C	154 °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.

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