

Dow DNDA-1081 NT 7 Linear Low Density Polyethylene Resin

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

Material Notes:

DOW DNDA-1081 NT 7 is produced using UNIPOL™ PE process technology. It is intended for high-speed injection molding of thin walled parts such as downgaged lids. Information provided by Dow

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-DNDA-1081-NT-7-Linear-Low-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.931 g/cc	0.0336 lb/in ³	ASTM D792
Melt Index of Compound	127.5 g/10 min @Load 2.16 kg, Temperature 190 °C	127.5 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	55	55	Molded and tested in accordance with ASTM D4976; ASTM D2240
Tensile Strength at Break	8.96 MPa	1300 psi	Molded and tested in accordance with ASTM D4976; ASTM D638
Tensile Strength, Yield	11.0 MPa	1600 psi	Molded and tested in accordance with ASTM D4976; ASTM D638
Elongation at Break	60 %	60 %	Molded and tested in accordance with ASTM D4976; ASTM D638
Elongation at Yield	2.0 %	2.0 %	Molded and tested in accordance with ASTM D4976; ASTM D638
Flexural Modulus	0.524 GPa	76.0 ksi	2% Secant; Molded and tested in accordance with ASTM D4976; ASTM D790 B
Tensile Impact Strength	105 kJ/m ²	50.0 ft-lb/in ²	Molded and tested in accordance with ASTM D4976; ASTM D1822, Type S

Thermal Properties	Metric	English	Comments
Melting Point	126 °C	259 °F	Dow Method (DSC)
Crystallization Temperature	113 °C	235 °F	Dow Method (DSC)
Deflection Temperature at 0.46 MPa (66 psi)	51.1 °C	124 °F	Molded and tested in accordance with ASTM D4976; ASTM D648
Vicat Softening Point	97.2 °C	207 °F	ASTM D1525
Brittleness Temperature	-23.9 °C	-11.0 °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