

## Dow DNDA-1149 NT 7 Linear Low Density Polyethylene Resin

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

### Material Notes:

DOW DNDA-1149 NT 7 is produced using UNIPOL™ PE process technology and is intended for high-speed injection molding applications.

Information provided by Dow

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dow-DNDA-1149-NT-7-Linear-Low-Density-Polyethylene-Resin.php](http://www.lookpolymers.com/polymer_Dow-DNDA-1149-NT-7-Linear-Low-Density-Polyethylene-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.931 g/cc	0.0336 lb/in <sup>3</sup>	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 <sup>2</sup>	50.0 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	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](http://www.lookpolymers.com)**

**Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)**

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

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