

## Dow DGDB-2480 NT High Density Polyethylene Resin

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

### Material Notes:

DOW DGDA-2475 NT is produced using UNIPOL™ process technology. It is intended for use in pipe applications where long term hydrostatic strength and resistance to slow crack growth are desired. Suitable applications include natural gas distribution pipes, large diameter industrial piping, mining, sewage, and municipal water service lines. Information provided by Dow

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dow-DGDB-2480-NT-High-Density-Polyethylene-Resin.php](http://www.lookpolymers.com/polymer_Dow-DGDB-2480-NT-High-Density-Polyethylene-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.944 g/cc	0.0341 lb/in <sup>3</sup>	natural resin; ASTM D792
	0.954 g/cc	0.0345 lb/in <sup>3</sup>	Natural resin extruded under proper conditions with black masterbatch DFNF-0092 (6.5%); ASTM D792
High Load Melt Index	8.3 g/10 min @Load 21.6 kg, Temperature 190 °C	8.3 g/10 min @Load 47.6 lb, Temperature 374 °F	ASTM D1238
Melt Index of Compound	0.10 g/10 min @Load 2.16 kg, Temperature 190 °C	0.10 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
PENT	200 hour	200 hour	Compression molded parts prepared according to ASTM D 1928 Procedure C.; ASTM F1473
Tensile Strength, Yield	22.1 MPa	3200 psi	Compression molded parts prepared according to ASTM D 1928 Procedure C.; ASTM D638
Elongation at Break	850 %	850 %	Compression molded parts prepared according to ASTM D 1928 Procedure C.; ASTM D638
Flexural Modulus	0.827 GPa	120 ksi	Compression molded parts prepared according to ASTM D 1928, method 1, procedure B.; ASTM D790
Izod Impact, Notched	2.14 J/cm	4.00 ft-lb/in	Compression molded parts prepared according to ASTM D 1928, method A.; ASTM D256

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	>= 250 °C	>= 482 °F	ASTM D3350
Brittleness Temperature	<= -100 °C	<= -148 °F	Compression molded parts prepared according to ASTM D 1928, procedure

Thermal Properties	Metric	English	A : ASTM D746 Comments
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**Contact Songhan Plastic Technology Co.,Ltd.**

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