



DOW™ HDPE GRSN-6001 NT

High Density Polyethylene Resin

Overview DOW GRSN-6001 NT High Density Polyethylene Resin (HDPE) is produced using UNIPOL™ process technology. It is a granular product intended for use in the production of blends, such as color concentrates, master batches and plastic wood composites.

Additive • Antiblock: No • Slip: No • Processing Aid: No

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.953 g/cm ³	0.953 g/cm ³	ASTM D792
Melt Index			ASTM D1238
190°C/2.16 kg	0.50 g/10 min	0.50 g/10 min	
190°C/21.6 kg	38 g/10 min	38 g/10 min	
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength			ASTM D638
Yield	3420 psi	23.6 MPa	
Break	2850 psi	19.7 MPa	
Tensile Elongation (Break)	720 %	720 %	ASTM D638
Flexural Modulus - 2% Secant	90500 psi	624 MPa	ASTM D790B
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	2.1 ft·lb/in	110 J/m	ASTM D256A
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore D)	54	54	ASTM D2240
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	264 °F	129 °C	ASTM D1525
Melting Temperature (DSC)	268 °F	131 °C	Dow Method

Additional Information

Plaque molded and tested in accordance with ASTM D 4976.

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

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Published: 2007-02-19

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