



DOW™ HDPE GRSN-6001 NT

The Dow Chemical Company - High Density Polyethylene Resin

Tuesday, November 5, 2019

General Information

Product Description

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.

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Antiblock: No • Processing Aid: No • Slip: No
Forms	• Pellets

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.955		ASTM D792
Melt Mass-Flow Rate			ASTM D1238
190°C/2.16 kg	0.50	g/10 min	
190°C/21.6 kg	38	g/10 min	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	3420	psi	ASTM D638
Tensile Strength (Break)	2850	psi	ASTM D638
Tensile Elongation (Break)	720	%	ASTM D638
Flexural Modulus - 2% Secant	90500	psi	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	2.1	ft-lb/in	ASTM D256A
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	54		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	264	°F	ASTM D1525
Melting Temperature (DSC)	268	°F	Internal Method

Additional Information

Plaque molded and tested in accordance with ASTM D 4976.

Notes

¹ Typical properties: these are not to be construed as specifications.