DOW™ HDPE DGDA-5004 NT 7

High Density Polyethylene Resin

The Dow Chemical Company

Message:

DOW DGDA-5004 NT 7 High Density Polyethylene (HDPE) resin is a multi-purpose polymer used in sheet extrusion and thermoforming processing, including disposable products and other thin-walled containers.
Main features:
Best rigidity
High impact strength
good stacking strength
The shear rheology has been optimized and has good processing performance
Comply with the requirements of the U.S. Food and Drug Administration Regulation 21 CFR 177.1520 (c) 2.2
Please check the regulations for complete details.

General Information	
Agency Ratings	FDA 21 CFR 177.1520(c) 2.2
Forms	Particle
Processing Method	Sheet extrusion molding
	Thermoforming
	Profile extrusion molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.961	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.80	g/10 min	ASTM D1238
190°C/21.6 kg	57	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	66		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
Yield	31.7	MPa	ASTM D638
Fracture	24.1	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	7.0	%	ASTM D638
Fracture	1000	%	ASTM D638
Flexural Modulus - 2% Secant	1300	MPa	ASTM D790B
Impact	**Nominal Value**	**Unit**	**Test Method**
Tensile Impact Strength [1]	84.1	kJ/m²	ASTM D1822
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	76.1	°C	ASTM D648
Brittleness Temperature	< -76.1	°C	ASTM D746
Vicat Softening Temperature	131	°C	ASTM D1525

Melting Temperature (DSC)	133	°C	Internal method
Peak Crystallization Temperature (DSC)	120	°C	Internal method

Additional Information
根据 ASTM D 4976 进行基板模制和测试.

NOTE	
1.	Type s

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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