UNIVAL™ DMDG-6240 NT 7

High Density Polyethylene Resin

The Dow Chemical Company

Message:

UNIVAL™ DMDG-6240 NT 7 is a multipurpose polymer designed for high speed production of blow molded containers used to package household industrial chemicals, such as laundry detergent, health and medicinal aids as well as agricultural and food products. The product is specifically designed to provide excellent processing in all extrusion blow molding equipment.
Main Characteristics:
Excellent processability
High melt strength
Excellent ESCR
Complies with:
U.S. FDA 21 CFR 177.1520 (c) 3.2a.
Canadian HPFB No Objection
Consult the regulations for complete details.

General Information			
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a HPFB (Canada) No Objection		
Forms	Particle		
Processing Method	Blow molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.946	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.40	g/10 min	ASTM D1238
190°C/21.6 kg	43	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 100% Igepal, F50)	400	hr	ASTM D1693
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	62		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
Yield	23.8	MPa	ASTM D638
Fracture	16.5	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	11	%	ASTM D638
Fracture	770	%	ASTM D638
Flexural Modulus			ASTM D790B
1% secant	1020	MPa	ASTM D790B
2% secant	814	MPa	ASTM D790B
Tangent	1150	MPa	ASTM D790B
Impact	**Nominal Value**	**Unit**	**Test Method**
Tensile Impact Strength [1]	151	kJ/m²	ASTM D1822

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	62.8	°C	ASTM D648
Brittleness Temperature	< -76.1	°C	ASTM D746
Vicat Softening Temperature	121	°C	ASTM D1525
Melting Temperature (DSC)	126	°C	Internal method
Peak Crystallization Temperature (DSC)	108	°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

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