UNIVAL™ DMDD-6230 NT 7

High Density Polyethylene Resin

The Dow Chemical Company

Message:

Outstanding environmental stress crack resistance
High impact strength
Good extrusion characteristics
Complies with:
U.S. FDA 21 CFR 177.1520 (c) 3.2a
U.S. FDA-DMF
U.S. USP Class VI
Canadian HPFB No Objection (With Limitations)
EU, No 10/2011
Consult the regulations for complete details.
UNIVAL™ DMDD-6230 NT 7 High Density Polyethylene (HDPE) Resin is specifically designed for use in either intermittent or continuous blow molding equipment to produce containers up to 20 gallons in size - applications that typically require the combination of outstanding environmental stress crack resistance (ESCR) and, high impact strength. UNIVAL DMDD- 6230 NT 7 HDPE resin also is considered a multi-purpose blow molding resin designed for the high speed production of blow molded containers used for packaging household industrial chemicals (e.g., detergents, bleach, fabric softeners), toiletries and cosmetics (e.g., shampoos, creams, lotions, etc.), health and medicinal aids. In addition, it can be blow molded into other thin walled parts and houseware items, and also can be extruded into profiles or sheets.

General Information			
Agency Ratings	DMF not rated FDA 21 CFR 177.1520(c) 3.2a HPFB (Canada) No Objection 2 USP Class VI Europe No 10/2011		
Forms	Particle		
Processing Method	Blow molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.949	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.25	g/10 min	ASTM D1238
190°C/21.6 kg	25	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 100% Igepal, F50)	180	hr	ASTM D1693
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	60		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
Yield	23.4	MPa	ASTM D638
Fracture	33.8	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	8.0	%	ASTM D638

Fracture	1000	%	ASTM D638
Flexural Modulus - 2% Secant	889	MPa	ASTM D790B
Impact	**Nominal Value**	**Unit**	**Test Method**
Tensile Impact Strength [1]	210	kJ/m^2	ASTM D1822
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	66.0	°C	ASTM D648
Brittleness Temperature	< -76.1	°C	ASTM D746
Vicat Softening Temperature	127	°C	ASTM D1525
Melting Temperature (DSC)	130	°C	Internal method
Peak Crystallization Temperature (DSC)	118	°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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