DOW™ HDPE XDMA-1206 NT 7

High Density Polyethylene Resin

The Dow Chemical Company

Message:

XDMDA-1206 NT 7 Experimental High Density Polyethylene (HDPE) Resin from Dow is intended for use in injection molding applications such as caps and closures and other injection molding applications. This resin has been designed to meet demanding performance requirements such as environmental stress crack resistance, stiffness, impact strength, while maintaining good processing characteristics.
Excellent impact strength, stiffness and stress crack resistance
Excellent processability
Complies with:
U.S. FDA 21 CFR 177.1520 (c)3.1a
Canadian HPFB No Objection
EU, No 10/2011
Consult the regulations for complete details.

General Information			
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a HPFB (Canada) No Objection Europe No 10/2011		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.954	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.8	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 100% Igepal, F50)	12.0	hr	ASTM D1693
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	59		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
Yield	26.9	MPa	ASTM D638
Fracture	22.8	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	7.0	%	ASTM D638
Fracture	1100	%	ASTM D638
Flexural Modulus - 2% Secant	1070	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)	72.8	°C	ASTM D648
Brittleness Temperature	< -76.1	°C	ASTM D746

Vicat Softening Temperature	128	°C	ASTM D1525
Melting Temperature (DSC)	131	°C	Internal method

Additional Information
Plaque molded and tested in accordance with ASTM D4976.

NOTE	
1.	Type S

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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