DOW™ HDPE DMDA-8907 NT 7

High Density Polyethylene Resin

The Dow Chemical Company

Message:

DOW DMDA-8907 NT 7 High Density Polyethylene (HDPE) Resin is produced via UNIPOL™ Process Technology from Dow and is intended for use in injection molding applications such as pails, industrial parts and other shipping containers. This resin has been designed to provide excellent processability for molders and to meet the rigorous performance characteristics of applications requiring stackability, environmental stress crack resistance and impact strength.
Injection molding
For injection molded pails, industrial parts and other shipping containers
Excellent impact strength, stress crack resistance and processability
Very narrow molecular weight distribution
Complies with:
U.S. FDA 21 CFR 177.1520 (c)3.1a
Canadian HPFB No Objection
EU, No 10/2011
U.S. USP
U.S. FDA DMF
Consult the regulations for complete details.

General Information			
Agency Ratings	DMF not rated FDA 21 CFR 177.1520(c) 3.1a HPFB (Canada) No Objection USP Not Rated Europe No 10/2011		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.952	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
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

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WECHAT