DOW™ HDPE DMDA-8910 NT 7

High Density Polyethylene Resin

The Dow Chemical Company

Message:

DOW™ DMDA-8910 NT 7 High Density Polyethylene (HDPE) Resin is produced by the UNIPOL™ Process Technology from Dow and is intended for use in injection molded rigid packaging applications including material handling and industrial container applications. The resin is designed to meet rigorous performance characteristics, including environmental stress crack resistance and impact strength, while maintaining excellent processing characteristics beneficial for molders.
Main Characteristics:
Injection or Compression Molding
Designed for caps and closures
Excellent impact strength, stress crack resistance and processability
Very narrow molecular weight distribution
Excellent Organoleptic properties
Complies with:
U.S. FDA 21 CFR 177.1520(c)3.1a
Canadian HPFB No Objection
Consult the regulations for complete details.

General Information			
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a HPFB (Canada) No Objection		
Forms	Particle		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.945	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	10	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	24.1	MPa	ASTM D638
Fracture	15.9	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	9.0	%	ASTM D638
Fracture	260	%	ASTM D638
Flexural Modulus			ASTM D790B
1% secant	1000	MPa	ASTM D790B
2% secant	855	MPa	ASTM D790B
Impact	**Nominal Value**	**Unit**	**Test Method**
Tensile Impact Strength [1]	124	kJ/m²	ASTM D1822
Thermal	**Nominal Value**	**Unit**	**Test Method**

Deflection Temperature Under Load (0.45 MPa, Annealed)	65.0	°C	ASTM D648
Brittleness Temperature	< -76.1	°C	ASTM D746
Vicat Softening Temperature	123	°C	ASTM D1525
Melting Temperature (DSC)	128	°C	Internal method
Peak Crystallization Temperature (DSC)	116	°C	Internal method

Additional Information
根据 ASTM D 4976 进行模塑和测试.

NOTE	
1.	Type s

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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