



DOW™ HDPE DMDA-8933 NT 7

The Dow Chemical Company - High Density Polyethylene Resin

Tuesday, November 5, 2019

General Information

Product Description

Overview:

- Injection molding
- Narrow molecular weight distribution
- Excellent balance of toughness, and stress crack resistance
- Complies with U.S. FDA21 CFR 177.1520 (c)3.2a
- Canadian HPFB No Objection
- Consult the regulations for complete details.

DOW™ DMDA-8933 NT 7 High Density Polyethylene (HDPE) is produced via UNIPOL™ Process Technology from Dow and is intended for use in a broad range of injection molding applications such as injection molded containers and thin-walled pails.

The product is specifically designed to provide excellent processing in all injection molding equipment.

General

Material Status	• Commercial: Active
Availability	• North America
Agency Ratings	• FDA 21 CFR 177.1520(c) 3.2a • HPFB (Canada) No Objection
Forms	• Pellets

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm ³	ASTM D792
Melt Mass-Flow Rate (190°C/2.16 kg)	33	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength at Yield ²	3900	psi	ASTM D638
Tensile Strength ² (Break)	2000	psi	ASTM D638
Flexural Modulus - 2% Secant ^{3, 2}	145000	psi	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC) ²	259	°F	Internal Method
Peak Crystallization Temperature (DSC) ²	226	°F	Internal Method

Notes

¹ Typical properties: these are not to be construed as specifications.

² Plaque molded and tested in accordance with ASTM D4976

³ Procedure B