

DOW™ HDPE DMDA-8933 NT 7

High Density Polyethylene Resin

Overview

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- 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.

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.950 g/cm ³	0.950 g/cm ³	ASTM D792
Melt Index (190°C/2.16 kg)	33 g/10 min	33 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength at Yield ¹	3900 psi	26.9 MPa	ASTM D638
Tensile Strength ¹ (Break)	2000 psi	13.8 MPa	ASTM D638
Flexural Modulus - 2% Secant ^{2, 1}	145000 psi	1000 MPa	ASTM D790
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Melting Temperature (DSC) ¹	259 °F	126 °C	Dow Method
Peak Crystallization Temperature (DSC) ¹	226 °F	108 °C	Dow Method

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

¹ Plaque molded and tested in accordance with ASTM D4976

² Procedure B

