

DOW™ HDPE DMDA-8950 NT 7

High Density Polyethylene Resin

The Dow Chemical Company

Message:

DOW™ DMDA-8950 NT 7 High Density Polyethylene (HDPE) Resin is produced via UNIPOL™ Process Technology from Dow and is intended for use in thin-wall injection molding applications such as food containers, including freezer applications. This resin has been designed to provide a good impact/stiffness balance as well as excellent processability.

Main Characteristics

Injection molding

For injection molded thin-wall food containers, including freezer applications

High flow for processing ease

Very narrow molecular weight distribution

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	0.942	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	50	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 100% Igepal, F50)	6.00	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	20.9	MPa	ASTM D638
Fracture	14.4	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	9.0	%	ASTM D638
Fracture	37	%	ASTM D638
Flexural Modulus - 2% Secant	576	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength ¹	90.4	kJ/m ²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-52.8	°C	ASTM D746
Melting Temperature (DSC)	127	°C	Internal method
Peak Crystallization Temperature (DSC)	115	°C	Internal method
Additional Information			
根据 ASTM D 4976 进行基板模制和测试.			

NOTE

1. Type s

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