

# EVERCAP™ DMDA-1206 NT 7

High Density Polyethylene Resin

The Dow Chemical Company

## Message:

EVERCAP™ DMDA-1206 NT 7 High Density Polyethylene (HDPE) Resin from Dow enables the right performance properties to meet demanding closure and fitment application needs. It is intended for use in injection molding applications such as caps and closures and other injection molding applications. This resin has been designed to meet demanding performance requirements such as environmental stress crack resistance, excellent sensory, stiffness, impact strength, while offering excellent processing characteristics.

Targeted Applications and Product Characteristics:

Compression and Injection molded closures

Excellent impact strength, stiffness and stress crack resistance

Excellent processability

Balanced Stiffness. ESCR. and Impact Strength

Complies with:

U.S. FDA 21 CFR 177.1520 (c)3.1a

Canadian HPFB No Objection

EU, No 10/2011

Consult the regulations for complete details.

General Information			
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
	HPFB (Canada) No Objection		
	Europe No 10/2011		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.954	g/cm <sup>3</sup>	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 <sup>1</sup>	84.1	kJ/m <sup>2</sup>	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

#### Additional Information

Plaque molded and tested in accordance with ASTM D4976.

#### NOTE

1. Type S

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