DOW®

EVERCAP™ DMDA-1232 NT 7
High Density Polyethylene Resin

Overview

EVERCAP™ DMDA-1232 NT 7 High Density Polyethylene Resin enables the right performance properties to meet demanding closure and fitment application needs. It is intended for use in both compression and injection molded closure applications. This resin has been designed to deliver increased flexibility over higher density resins, while maintaining good processing characteristics beneficial to molders. Typical applications include molded beverage closures.

Main Characteristics:
- Unique Stiffness/Flexibility Balance
- Excellent Processing Characteristics

1,000 ppm Slip

Complies with:
- U.S. FDA 21 CFR 177.1520(c)3.1a.
- Canadian HPFB No Objection
- European Commission Regulation (EU) No 10/2011

Consult the regulations for complete details.

Additive

- Antiblock: No
- Slip: 1000 ppm
- Processing Aid: No

Physical	Nominal Value	(English)	Nominal Value	(SI)	Test Method
Density	0.945	g/cm³	0.945	g/cm³	ASTM D792
Melt Index (190°C/2.16 kg)	20	g/10 min	20	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (ESCR)					ASTM D1693
122°F (50°C), 10% Igepal, F50	6.00	hr	6.00	hr	
122°F (50°C), 100% Igepal, F50	17.0	hr	17.0	hr	
Mechanical	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Tensile Strength					ASTM D638
Yield	3310	psi	22.8	MPa	
Break	2700	psi	18.6	MPa	
Tensile Elongation					ASTM D638
Yield	11	%	11	%	
Break	800	%	800	%	
Flexural Modulus - 2% Secant	123000	psi	848	MPa	ASTM D790
Hardness	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Durometer Hardness (Shore D)	62		62		ASTM D2240
Thermal	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Vicat Softening Temperature	252	°F	122	°C	ASTM D1525
Melting Temperature (DSC)	262	°F	128	°C	Dow Method
Peak Crystallization Temperature (DSC)	239	°F	115	°C	Dow Method

Additional Information

Molded and tested in accordance with ASTM D 4976.

Notes

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