CONTINUUM™ DMDE-6620 NT 7 HEALTH+™ BIMODAL

Bimodal Polyethylene Resin

The Dow Chemical Company

Message:

CONTINUUM™ DMDE-6620 NT 7 HEALTH+™ Bimodal High Density Polyethylene Resin is produced by UNIPOL™ II process technology. This resin is a high stiffness resin with superior top-load performance in conjunction with excellent environmental stress crack resistance and excellent gas barrier properties. CONTINUUM™ DMDE-6620 NT 7 HEALTH+™ Bimodal is specifically designed for use in multiple types of blow molding processes, producing containers up to 20 gallons in size, which require superior top-load combined with excellent environmental stress crack resistance and gas barrier properties. This product offers excellent processability with low plate out properties. This product is especially well suited for containers used to package health care and pharmaceutical products.
High stiffness for superior top-load performance
Excellent environmental stress crack resistance
Excellent gas barrier properties
High impact strength
Good extrusion characteristics
Complies with:
U.S. FDA 21 CFR 177.1520 (c) 3.1a
EU, No 10/2011
USP Class VI
Consult the regulations for complete details.

General Information			
Additive	Processing aid		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a Europe No 10/2011		
Forms	Particle		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.960	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.28	g/10 min	ASTM D1238
190°C/21.6 kg	27	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance			ASTM D1693
50°C, 10% Igepal, F50	220	hr	ASTM D1693
50°C, 100% Igepal, F50	> 1100	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	28.0	MPa	ASTM D638
Fracture	18.0	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	8.0	%	ASTM D638

Fracture	670	%	ASTM D638
Flexural Modulus - 2% Secant	1170	MPa	ASTM D790B
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	82.0	°C	ASTM D648
Brittleness Temperature	-60.0	°C	ASTM D746
Vicat Softening Temperature	131	°C	ASTM D1525
Melting Temperature (DSC)	133	°C	Internal method
Peak Crystallization Temperature (DSC)	121	°C	Internal method
Additional Information			

Plaque molded and tested in accordance with ASTM D4976.

Recommended distributors for this material

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