CONTINUUM□?DMDD-6620 HEALTH+□?Datasheet

Bimodal Polyethylene Resin

The Dow Chemical Company

Message:

CONTINUUM™ DMDD-6620 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. DMDD-6620 NT 7 is specifically designed for use in extrusion blow molding equipment, producing containers up to 20 gallons in size, which require superior top-load combined with excellent environmental stress crack resistance. This reason offers excellent processability with low plate out properties. This product is especially well suited to packaged health care and pharmaceutical products.
High stiffness for superior top-load performance
Excellent environmental stress crack resistance
Good extrusion characteristics
Complies with:
U.S. FDA 21 CFR 177.1520 (c) 3.1a
EU, No 10/2011
U.S. FDA-DMF
Canadian HPFB No Objection
USP Class VI
Consult the regulations for complete details.
Additive Antiblock:No
Slip: No
Processing Aid: Yes

General Information	
Additive	Processing aid
Agency Ratings	DMF not rated FDA 21 CFR 177.1520(c) 3.1a HPFB (Canada) No Objection USP Class VI Europe No 10/2011
Forms	Particle

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.956	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	24.8	MPa	ASTM D638
Fracture	29.0	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	3.7	%	ASTM D638
Fracture	800	%	ASTM D638
Flexural Modulus - 2% Secant	1170	MPa	ASTM D790B
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature	-60.0	°C	ASTM D746
Vicat Softening Temperature	131	°C	ASTM D1525
Additional Information			

根据 ASTM D 4976 进行模塑和测试.

Recommended distributors for this material

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