

Ultramid® Endure D5G3 BM BK20560

Polyamide 66

BASF Corporation

Message:

Ultramid Endure D5G3 BM BK20560 is a glass fiber reinforced blow molding grade with good sagging behavior, ideal swelling and excellent heat aging resistance up to at least 220 degC (428 degF).

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Good Heat Aging Resistance		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	5500	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	115	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	5.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	4.4	kJ/m ²	
23°C	10	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	48	kJ/m ²	
23°C	84	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	250	°C	ISO 75-2/B
1.8 MPa, Unannealed	220	°C	ISO 75-2/A
Melting Temperature (DSC)	260	°C	ISO 3146
CLTE			
Flow	3.3E-5 to 3.4E-5	cm/cm/°C	
Transverse	9.5E-5 to 1.3E-4	cm/cm/°C	
Additional Information	Nominal Value	Unit	
Blow Molding Drying Temperature	71	°C	
Blow Molding Drying Time	2.0 to 4.0	hr	
Blow Molding Melt Temperature	270 to 290	°C	
Blow Molding Moisture Content	0.15	%	

Blow Molding Mold Temperature	60 to 90	°C
Blow-up Ratio	2.0:1.0	

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