

BMC T40(18)

Thermoset Polyester
Bulk Molding Compounds, Inc.

Message:

BMC T40(18) is a thermosetting polyester product. It is available in North America. Typical application areas are: electrical/electronic applications.
Features include:
flame retardant/rated flame
high strength

General Information			
Features	High strength		
Uses	Electrical/Electronic Applications		
Appearance	Black		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.83	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.10 - 0.20	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	55		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	72.3	MPa	ASTM D638
Flexural Modulus	7580	MPa	ASTM D790
Flexural Strength (Yield)	148	MPa	ASTM D790
Compressive Strength	145	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact	480	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	14	kV/mm	ASTM D149
Arc Resistance	190	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.52 mm	V-0		UL 94
3.11 mm	5V		UL 94
Additional Information			
Barcol Hardness, ASTM D2583: 50 to 60UL Flame Rating, UL 94, 0.058 to 0.062 in: V-0UL Flame Rating, UL 94, 0.120 to 0.125 in: 5-V			
NOTE			
1.	Type 1		

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