BMC 901

Thermoset Polyester

Bulk Molding Compounds, Inc.

Message:

BMC 901 is an encapsulation grade, soft flow material. As with all other BMCI compounds, this Series can be supplied in logs, slugs or bulk. Typical applications are electrical coil encapsulations and armature shafts.

General Information		
Uses	Coating Applications	
	Electrical/Electronic Applications	
Forms	BMC - Bulk Molding Compound	
Processing Method	Compression Molding	
	Injection Molding	

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.91	g/cm³	ASTM D792
Molding Shrinkage - Flow	1.4E-4 to 2.0E-4	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.15	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	40		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	37.9	MPa	ASTM D638
Flexural Modulus	11400	MPa	ASTM D790
Flexural Strength	75.8	MPa	ASTM D790
Compressive Strength	131	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	160	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	204	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength [1]	14	kV/mm	ASTM D149
Arc Resistance	180	sec	ASTM D495
Comparative Tracking Index (CTI)	500	V	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.59 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Mold Temperature	138 to 166	°C	
NOTE			
1.	Method A (Short-Time)		

Recommended distributors for this material

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