

BMC 2201

Alkyd

Bulk Molding Compounds, Inc.

Message:

BMC 2201 molding compound is a mineral filled, glass-fiber-and nylon-floc reinforced alkyd compound suitable for compression and transfer molding. It was developed for applications requiring better abrasion resistance than that available with other BMC products. BMC 2201 molding compound is produced in extruded form in a range of industrial colors. It is available in logs up to 12 inches in length or as precut slugs, of specific weight, in diameters from ¾ " to 2 7/8 ". Within this range smaller diameters are supplied as multiple extrusions and weight tolerances are plus or minus 5% up to a maximum of of plus 15 grams.

General Information			
Filler / Reinforcement	Glass\Mineral Nylon Fiber		
Features	Good Abrasion Resistance		
Appearance	Colors Available		
Forms	BMC - Bulk Molding Compound		
Processing Method	Compression Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.09	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30 to 0.60	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	65		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Flexural Strength	121	MPa	ASTM D790
Compressive Strength	176	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)	232	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength ¹	12	kV/mm	ASTM D149
Dielectric Constant (60 Hz)	7.30		ASTM D150
Dissipation Factor (60 Hz)	0.040		ASTM D150
Arc Resistance	130	sec	ASTM D495
Comparative Tracking Index (CTI)	500	V	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.59 mm	HB		
3.18 mm	HB		

6.35 mm	HB	
Injection	Nominal Value	Unit
Mold Temperature	138 to 166	°C
NOTE		
1.	Method A (Short-Time)	

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