

# Glastic® 1401

Thermoset Polyester

Bulk Molding Compounds, Inc.

## Message:

Grade 1401 is an electrical grade of encapsulating material. Characterized by a balance of soft flow and cure rate to ensure complete and proper encapsulation without voiding. Generally too soft for compression molding, but excellent in transfer or injection processes. Directly competitive against epoxy encapsulants on cost and cycle times. Very stable shelf life.

General Information	
Filler / Reinforcement	Glass Fiber
Features	Electrically Insulating
	Flame Retardant
	Good Electrical Properties
Uses	Electrical/Electronic Applications
	Electronic Insulation
Appearance	Black
	Colors Available
	Tan
Forms	BMC - Bulk Molding Compound
Processing Method	Compression Molding
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.76	g/cm <sup>3</sup>	ASTM D792
Water Absorption (24 hr)	0.25	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Compression Molded)	28.6	MPa	ASTM D638
Flexural Strength (Compression Molded)	82.7	MPa	ASTM D790
Compressive Strength	110	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Compression Molded)	80	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	11	kV/mm	ASTM D149
Dissipation Factor (60 Hz)	0.015		ASTM D150
Arc Resistance	190	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method

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#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

