

Glastic® 1444

Thermoset Polyester

Glastic Corporation

Message:

Glastic® 1444 is a Thermoset Polyester product filled with 8.0% glass fiber. It can be processed by compression molding or injection molding and is available in North America.

Characteristics include:

- Flame Rated
- Fast Molding Cycle
- Flame Retardant
- High Strength

General Information			
Filler / Reinforcement	Glass Fiber,8.0% Filler by Weight		
Features	Arc Resistant		
	Fast Molding Cycle		
	Flame Retardant		
	High Strength		
	Tracking Resistant		
Forms	BMC - Bulk Molding Compound		
Processing Method	Compression Molding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.90	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.10	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	28.3	MPa	ASTM D638
Flexural Modulus	11700	MPa	ASTM D790
Flexural Strength	96.5	MPa	ASTM D790
Compressive Strength	124	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	190	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	13	kV/mm	ASTM D149
Dielectric Constant (60 Hz)	6.00		ASTM D150
Dissipation Factor (60 Hz)	0.016		ASTM D150
Arc Resistance	186	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.59 mm)	V-0		UL 94
Thermoset	Nominal Value	Unit	

Shelf Life	8.6	wk
Post Cure Time (149°C)	8.3E-3	hr

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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

