

Glastic® 1446

Thermoset Polyester
Glastic Corporation

Message:

Glastic® 1446 is a Thermoset Polyester product filled with 16% 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,16% 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	1.86	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.10	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	34.5	MPa	ASTM D638
Flexural Modulus	11700	MPa	ASTM D790
Flexural Strength	116	MPa	ASTM D790
Compressive Strength	159	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	320	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

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