

Quantum Composites QC-3450

Thermoset, Unspecified

Quantum Composites Inc.

Message:

Quantum Composites QC-3450 is a Thermoset, Unspecified (TS, Unspecified) product filled with 48% glass fiber. It can be processed by compression molding and is available in North America.

Characteristics include:

Heat Resistant

High Strength

General Information			
Filler / Reinforcement	Glass Fiber,48% Filler by Weight		
Features	High Heat Resistance		
	High Strength		
Appearance	Black		
	Natural Color		
Forms	SMC - Sheet Molding Compound		
Processing Method	Compression Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.71	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.050	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	186	MPa	ASTM D638
Flexural Modulus	14500	MPa	ASTM D790
Flexural Strength	331	MPa	ASTM D790
Compressive Strength	197	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1400	J/m	ASTM D256
Thermoset	Nominal Value	Unit	
Shelf Life (21°C)	8.7	wk	
Post Cure Time (163°C)	1.0	hr	
Injection	Nominal Value	Unit	
Mold Temperature	132 to 160	°C	
Injection Pressure	3.45 to 6.89	MPa	

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