

# Quantum Composites QC-2430

Phenolic  
Quantum Composites Inc.

Message:

QC-2430 is a glass-reinforced sheet molding compound based on a phenolic resin matrix. This exhibits the low flammability characteristics of phenolic resins plus resistance to very high temperatures.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Flame Retardant		
	High Heat Resistance		
Appearance	Natural Color		
Forms	SMC - Sheet Molding Compound		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.75	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.10	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	96.5	MPa	ASTM D638
Tensile Elongation (Break)	0.85	%	ASTM D638
Flexural Modulus	10300	MPa	ASTM D790
Flexural Strength	159	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	430	J/m	ASTM D256
Thermoset	Nominal Value	Unit	
Shelf Life (-18°C)	26	wk	
Post Cure Time (149°C)	0.050	hr	
Injection	Nominal Value	Unit	
Mold Temperature	132 to 160	°C	
Injection Pressure	3.45 to 13.8	MPa	

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