

Quantum Composites QCI-15G

Thermoplastic Polyimide

Quantum Composites Inc.

Message:

QCI-15G Polyimide is a long glass fiber reinforced sheet molding compound with a PMR-15 polyimide matrix. It is designed for compression molding of components requiring excellent retention of mechanical properties at temperatures of 200°C and up.

General Information			
Filler / Reinforcement	Long Glass Fiber,60% Filler by Weight		
Appearance	Amber		
Forms	SMC - Sheet Molding Compound		
Processing Method	Compression Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.95	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	152	MPa	ASTM D638
Flexural Modulus	17200	MPa	ASTM D790
Flexural Strength	310	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1300	J/m	ASTM D256
Thermoset	Nominal Value	Unit	
Shelf Life (-18°C)	26	wk	

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