

Quantum Composites QC-3102

Vinyl Ester

Quantum Composites Inc.

Message:

QC-3102 is a high strength vinyl ester sheet molding compound (SMC) that combines unusually good resistance to high temperatures with excellent corrosion resistance.

General Information			
Filler / Reinforcement	Glass Fiber,60% Filler by Weight		
Features	Good Corrosion Resistance		
	High Heat Resistance		
Appearance	Black		
	Natural Color		
Forms	SMC - Sheet Molding Compound		
Processing Method	Compression Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.80	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.10	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	248	MPa	ASTM D638
Flexural Modulus	17200	MPa	ASTM D790
Flexural Strength	393	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1600	J/m	ASTM D256
Thermoset	Nominal Value	Unit	
Shelf Life (24°C)	8.7	wk	
Demold Time (149°C)	3.0 to 5.0	min	
Post Cure Time (177°C)	2.0	hr	

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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



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