

Quantum Composites QC-8852

Vinyl Ester

Quantum Composites Inc.

Message:

QC-8852 is a modified vinyl ester sheet molding compound (SMC) designed for applications requiring high strength, good environmental resistance, and excellent toughness. It offers fast molding cycles and good surface appearance.

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Features	Fast Molding Cycle		
	Good Surface Finish		
	Good Toughness		
	Good Weather Resistance		
	High Strength		
Appearance	Black		
Forms	SMC - Sheet Molding Compound		
Processing Method	Compression Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.00	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	241	MPa	ASTM D638
Flexural Modulus	14500	MPa	ASTM D790
Flexural Strength	352	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1200	J/m	ASTM D256
Thermoset	Nominal Value	Unit	
Shelf Life (24°C)	8.7	wk	
Demold Time (149°C)	2.0	min	

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