

Quantum Composites QC-7752

Thermoset Polyester
Quantum Composites Inc.

Message:

QC-7752 is a modified polyester sheet molding compound (SMC) that is designed for applications requiring high strength, good environmental resistance, and resistance to elevated temperatures. 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 Weather Resistance		
	High Heat Resistance		
	High Strength		
Appearance	Black		
	Grey		
	Off-White		
Forms	SMC - Sheet Molding Compound		
Processing Method	Compression Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.85	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.10	%	ASTM D955
Water Absorption (24 hr)	0.15	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	58		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	17900	MPa	ASTM D638
Tensile Strength	193	MPa	ASTM D638
Flexural Modulus	14500	MPa	ASTM D790
Flexural Strength	310	MPa	ASTM D790
Compressive Strength	172	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1400	J/m	ASTM D256
Thermoset	Nominal Value	Unit	
Shelf Life (24°C)	8.7	wk	
Demold Time (149°C)	1.5	min	

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