

# Quantum Composites QC-8802

Vinyl Ester

Quantum Composites Inc.

## Message:

QC-8802 is a vinyl ester based sheet molding compound (SMC) designed for molding of components requiring high structural strength. It exhibits unusual toughness, and is suggested for applications subject to impacts and rough handling. QC-8802 is also suggested for applications requiring excellent fatigue resistance.

General Information			
Filler / Reinforcement	Glass Fiber,63% Filler by Weight		
Features	Fatigue Resistant		
	Good Impact Resistance		
	Good Toughness		
	High Strength		
Appearance	Black		
Forms	SMC - Sheet Molding Compound		
Processing Method	Compression Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.90	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.10	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	60		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	317	MPa	ASTM D638
Flexural Modulus	17900	MPa	ASTM D790
Flexural Strength	517	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 (138°C)	3.0 to 5.0	min	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: [sales@su-jiao.com](mailto:sales@su-jiao.com)

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

