

TCA® 850R

Thermoset Polyester
Continental Structural Plastics

Message:

850R is a white standard density Class A SMC. Like 850A, 850R was formulated to include all of the paint pop resistance, surface smoothness and robustness of TCA while also providing resistance to yellowing during paint cycles.

General Information			
Filler / Reinforcement	Glass Fiber,27% Filler by Weight		
Features	Good Chemical Resistance		
	Good Crack Resistance		
	Good Dimensional Stability		
	Good Surface Finish		
	High Heat Resistance		
Uses	Automotive Applications		
	Automotive Exterior Parts		
Appearance	White		
Forms	SMC - Sheet Molding Compound		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.93	g/cm ³	ASTM D792
Molding Shrinkage	0.11	%	
Water Absorption (24 hr)	< 0.80	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9570	MPa	ASTM D638
Tensile Strength	68.0	MPa	ASTM D638
Flexural Modulus	10800	MPa	ASTM D790
Flexural Strength	163	MPa	ASTM D790
Compressive Modulus	6140	MPa	ASTM D695
Compressive Strength	108	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area)	74.0	kJ/m ²	ASTM D256
Unnotched Izod Impact (Area)	74.0	kJ/m ²	ASTM D256

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

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

