

TCA® 850A

Thermoset Polyester

Continental Structural Plastics

Message:

The original TCA® formulation, 850A is a standard density Class A SMC, gray in color, and designed for automotive body panels. 850A utilizes all of the paint pop resistance, surface smoothness, and robustness of TCA.

General Information			
Filler / Reinforcement	Glass Fiber,28% 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	Grey		
Forms	SMC - Sheet Molding Compound		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.92	g/cm ³	ASTM D792
Molding Shrinkage	0.090	%	
Water Absorption (24 hr)	< 0.80	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9500	MPa	ASTM D638
Tensile Strength	74.0	MPa	ASTM D638
Flexural Modulus	9300	MPa	ASTM D790
Flexural Strength	172	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area)	90.0	kJ/m ²	ASTM D256
Unnotched Izod Impact (Area)	88.0	kJ/m ²	ASTM D256

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Recommended distributors for this material

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