

TCA Lite® 850WMD

Thermoset Polyester
Continental Structural Plastics

Message:

850WMD is a white mid density Class A SMC. 850WMD affords a 20 persen reduction in density and provides weight savings of up to 25 persen when combined with improved part design.

General Information			
Filler / Reinforcement	Glass Fiber,32% Filler by Weight		
Features	Good Chemical Resistance		
	Good Crack Resistance		
	Good Dimensional Stability		
	Good Surface Finish		
	High Heat Resistance		
	Medium Density		
Uses	Automotive Applications		
	Automotive Exterior Parts		
Appearance	White		
Forms	SMC - Sheet Molding Compound		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.63	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	11000	MPa	ASTM D638
Tensile Strength	66.0	MPa	ASTM D638
Flexural Modulus	7620	MPa	ASTM D790
Flexural Strength	146	MPa	ASTM D790
Compressive Modulus	5840	MPa	ASTM D695
Compressive Strength	96.0	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area)	65.0	kJ/m ²	ASTM D256
Unnotched Izod Impact (Area)	63.0	kJ/m ²	ASTM D256

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