

# Haysite SMC 42000

Thermoset Polyester  
Haysite Reinforced Plastics

Message:  
Haysite SMC 42000 is a Thermoset Polyester product filled with 22% glass fiber. It is available in North America. Primary characteristic: flame rated.

General Information			
UL YellowCard	E27875-230539		
Filler / Reinforcement	Glass Fiber,22% Filler by Weight		
UL File Number	E27872		
	E27875		
Forms	SMC - Sheet Molding Compound		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.75	g/cm <sup>3</sup>	
Molding Shrinkage - Flow	0.10	%	
Water Absorption (Equilibrium)	0.18	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	68.9	MPa	ASTM D638
Flexural Strength	172	MPa	ASTM D790
Compressive Strength	193	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	990	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength <sup>1</sup> (Oil)	17	kV/mm	ASTM D149
Dielectric Constant (60 Hz)	0.0440		ASTM D150
Dissipation Factor (60 Hz)	0.010		ASTM D150
Arc Resistance	180	sec	ASTM D495
Inclined-Plane Tracking	600	min	ASTM D2303
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Additional Information	Nominal Value	Unit	
Temperature Rating	130	°C	
NOTE			

1. Method A (Short-Time)

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Recommended distributors for this material

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