Premi-Glas® 1205

Thermoset, Unspecified

Premix, Inc.

Message:

Premi-Glas® 1205 is a fiberglass reinforced thermoset sheet molding compound for residential entry door skins and other general purpose applications.
Key Features and Benefits:
Good warp resistance and dimensional repeatability.
Good flow and fill in thin moldings.
Excellent resistance to sagging and distortion during door assembly.
Outstanding appearance in wood-grain texture or smooth skin applications.
Standard colors are beige and white.

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Good Dimensional Stability Good Flow Good Surface Finish Warp Resistant		
Uses	Construction Applications General Purpose		
Appearance	Beige White		
Forms	SMC - Sheet Molding Compound		
Physical	**Nominal Value**	**Unit**	
Specific Gravity	1.80	g/cm³	
Molding Shrinkage - Flow	0.040	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (Compression Molded)	10300	MPa	ASTM D638
Tensile Strength (Compression Molded)	41.4	MPa	ASTM D638
Tensile Elongation (Break)	0.80	%	ASTM D638
Flexural Modulus (Compression Molded)	10300	MPa	ASTM D790
Flexural Strength (Compression Molded)	110	MPa	ASTM D790
Poisson's Ratio	0.30		
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (Compression Molded)	530	J/m	ASTM D256
Unnotched Izod Impact (Compression Molded)	640	J/m	ASTM D4812
Thermal	**Nominal Value**	**Unit**	
CLTE			

Flow [1]	2.5E-5	cm/cm/°C
Transverse [2]	3.5E-5	cm/cm/°C
Thermal Conductivity	0.30	W/m/K

NOTE	
1.	XY Direction
2.	Z Direction

Recommended distributors for this material

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