

# Baypreg® F 200 (25 mm Glass Mat Reinforced Sandwich)

Polyurethane

Covestro - PUR

## Message:

Baypreg F 200 system is a two component polyurethane system used in compression molding of fiber-reinforced sandwich panels to produce a variety of automotive parts. Some identified applications include door panels, sunshades, spare tire covers, load floors, etc. The Baypreg F 200 system provides lightweight alternatives to ABS, PP, SMC, and wood products while demonstrating very high flexural stiffness and excellent thermal properties. Baypreg F 200 system offers very diverse properties over a wide range of part thicknesses and densities while still providing cost effective substrate parts when combined with reinforcing materials. As with any product, use of the Baypreg F 200 system in a given application must be tested (including field testing, etc.) in advance by the user to determine suitability.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 50% filler by weight		
Uses	Application in Automobile Field		
Forms	Liquid		
Processing Method	Compression molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.133	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus (22°C)	2500	MPa	ASTM D790
Flexural Strength (22°C)	7.50	MPa	ASTM D790
Thermoset	Nominal Value		
Thermoset Components			
Component a	Mixing ratio by weight: 140		
Component B	Mixing ratio by weight: 100		
Additional Information			
Reinforcing Mat Weight: 600 g/m <sup>3</sup> Tricel Honeycomb (untreated): 25 mmMolded Thickness: 25 mmChemical Temperature: 21 to 27°C Mold Temperature: 100 to 120°C Cure Time: 90 to 120 secTime from Spray to Mold Close: 60 secNucleation (resin): Up to 40% or as neededDegassing, if necessary: Open tool at 17 sec for 5 sec			

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## Recommended distributors for this material

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