

Technical Data Sheet
Typical Application — Sanitary Ware

Premi-Glas® 1201-20 is a fiberglass reinforced thermoset sheet molding compound for sanitary ware applications such as shower bases and surrounds, bathtubs, and vanity tops.

Key Features and Benefits:

- Supports ANSI Z124.2 and CSA B45.5 requirements.
- High gloss surface appearance with minimal rippling on deep draws.
- Excellent as-molded dimensional tolerances.
- Outstanding moldability and flow in compression molding processes.
- Standard colors are white and bone.

Typical Values. Mechanical values are for Specimens cut from Compression-Molded panels.			
Properties	Test Method	Values (US)	Values (Metric)
Flexural Strength	ASTM D-790	18,500 psi	128 MPa
Flexural Modulus	ASTM D-790	1.5 x 10 ⁶ psi	10 GPa
Tensile Strength	ASTM D-638	6,500 psi	45 MPa
Tensile Modulus	ASTM D-638	1.5 x 10 ⁶ psi	10 GPa
Notched Izod	ASTM D 256	10 ft*lb/in	530 Joules/m
Unnotched Impact	ASTM D 4812	13 ft*lb/in	700 Joules/m
Flame Resistance	ANSI Z124.2	pass at 0.12 in	pass at 3 mm
Stain Resistance	ANSI Z124.2	pass	pass

This SMC product is generally intended to be compression molded in matched metal die molds, typically at 300°F (150°C) and 500 to 1000 psi (35-65 BAR) molding pressure. Strength values may be affected by the molding process. Nominal values for polymerization shrinkage (0.002 in/in) and specific gravity (1.76) may be customized for individual applications. Contact your Premix sales representative for specific design recommendations.

Following physical characteristics are typical of this product:

CLTE, XY direction: 25 ppm/ deg C
CLTE, Z direction: 35 ppm/deg C
Thermal Conductivity: 0.3 W/m²deg K
Poisson's Ratio: 0.3

The values presented in this data sheet are typical values and are not to be interpreted as product specifications.
All statements, information and data given herein are believed to be accurate and reliable but are presented without guarantee, expressed or implied.

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