



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/m ² deg K
Poisson's Ratio: 0.3