

Material Data Sheet

Item: SG-200 High Temperature Glass Polyester Insulation Material

Description: SG-200 is a specialty grade random glass mat, polyester resin insulation material for high temperature applications. The material is rated at 210 C° (410 F°) for electrical and mechanical applications. It has excellent retention of physical and electrical properties at elevated temperatures.

Availability: **Molded Sheets:** Thickness: .032" - 2.0"
Sheet Sizes: 36" x 72", 48" x 96"

Pultruded Shapes: Available in various pultruded shapes.

Fabricated Parts: The Gund Company custom fabricates insulation materials to the exact specifications and drawings of our customers.

Typical Properties:	SG-200
Color	Tan
Specific Gravity	1.70
Water Absorption (%)	0.3
Tensile Strength (PSI)	12,500
Compressive Strength (PSI)	36,000
Flexural Strength (PSI)	29,000
Shear Strength (PSI)	11,100
Maximum Operating Temperature	210 C° (410 F°)
Dielectric Strength (VPM, Short Time/Air)	500
Dissipation Factor (@ 10 ⁶ Cycles/Sec)	0.013
Arc Resistance (seconds)	180
Insulation Resistance (Ohm x 10 ¹²)	145.0