



## TECHNICAL DATA SHEET

### 1062 Roving

**Application:** *1062 Roving is designed specifically for use with epoxy resin systems and incorporates a sizing chemistry that imparts high composite properties to the end product. It is typically used in applications, which requires high mechanical strength and corrosion resistance.*

#### PRODUCT DESCRIPTION

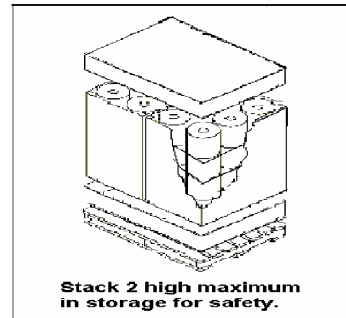
Type of Fiber	E-Glass (ASTM D 578-98, paragraph 4.2.2)
Filament Diameter, nominal	K
Micrometers $\mu\text{m}$ (in X $10^{-5}$ )	13 (53)
Roving Yields (yd/lb), $\pm 5.5\%$	433, 247 & 123
Roving Tex (g/km), $\pm 5.5\%$	1145, 2010 & 4030
Type of Sizing	Silane
Percent of Sizing, $\pm 0.15\%$	.55

- Provides exceptionally high interfacial bond between the resin and the fiber glass
- Multi-end roving of positive end count with superior yield control
- Catenary is kept to a minimum
- Offers a choice of outside (tubed) or inside (no-tube) payout
- Roving packages available in metered lengths
- Supported by PPG's extensive technical resources
- Product is manufactured in conformance to ISO 9002 requirements

#### PALLETIZING & PACKAGING DATA

##### Bulk Pak:

- 48 packages/pallet
- Four-way entry pallet: 43 in x 43 in
- Pallet Weight: 958 kg, 2,112 lb
- Package Weight (range): 18.9 – 21.1 kg, 41.5 – 46.5 lb.
- Package Dimensions: O.D., 26.7 cm, 10.5 in I.D., 7.6 cm, 3 in



**Storage:** These products should be stored at room temperature and at a relative humidity of 65% +/- 10%. To avoid problems with humidity or static electricity, the glass product should be conditioned in the working area prior to use.

#### TYPICAL LAMINATE MECHANICAL PROPERTIES

Property	Unit	Average Value	ASTM Method <sup>1</sup>
Apparent Horizontal Shear Strength-Dry	MPa	80	D-2344
	ksi	11.6	
Apparent Horizontal Shear Strength*	MPa	76.3	D-2344
	ksi	11.1	
Strength Retention	%	95.7	

\*after 6-hour water boil

<sup>1</sup> According to latest revision of test method shown. Note: Both Filament Tensile Reinforcement Strength and the Strand Tensile Strength tests reflect the total product performance in a composite structure. The Apparent Horizontal Shear Strength test reflects the excellent compatibility of the fiber glass sizing with the resin matrix.

**A First-In-First-Out (FIFO) stock control system is recommended to minimize the influence of storage conditions.**

**Caution:** To avoid the possibility of potential injury, maintain column stability by limiting pallet stacking to two high as noted on individual shipping container.