



## TECHNICAL DATA SHEET

### Hybon® 2002 Direct Draw Roving

**Application:** *HYBON® 2002 roving is made of E-glass fiber. Compatible with polyester, vinyl ester, phenolic, and epoxy resin systems. The roving is designed for woven or multi-axial knitting applications, which require good wet-out and wet-out consistency together with good abrasion resistance and processing characteristics.*

- Multi-compatible in epoxy, phenolic, polyester and vinylester resin systems
- Good Processing Characteristics
- Fast wet-out in thermoset resin systems
- Excellent package transfer efficiency through the use of an outer adhesive film
- Compatible with various resin systems and processing methods for which they are designed
- Supported by PPG's extensive technical resources
- Product is manufactured in conformance to ISO 9002 requirements

#### PRODUCT DESCRIPTION

Type of Fiber	E-Glass (ASTM D578-98, paragraph 4.2.2)								
Fiber Diameter, nominal	MN	Q	MN	MN	LM	K or MN	K or MN	L	K
Micrometers $\mu\text{m}$	17	20	17	17	15	13 or 16	13 or 16	14	13
Roving Yields (yd/lb), $\pm 7.2\%$	206*	330	413	450	550	827	1200	1650	1800
Roving Tex (g/km), $\pm 7.2\%$	2400*	1500	1200	1100	900	600	413	300	278
Type of Sizing	Silane								
Percent of Sizing, (nominal), $\pm 0.15\%$	0.55%	0.65%	0.55%						

**\*WE CONTROL TO 2375 TEX (BARE GLASS)**

#### PACKAGING & PALLETIZING DATA

 48 Packages per Pallet  
 Package Net Weight Nominal 2,112 lbs.

OR

 60 Packages per Pallet  
 Package Net Weight Nominal 2,640 lbs.

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

**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.

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