PPG Fiber Glass

TECHNICAL DATA SHEET

1712 Multi-End Roving for Pultrusion

Application: ***Type 1712 Multi-End Roving*** *is made of electrical (E) glass fiber. Compatible with polyester, vinyl ester, and epoxy resin systems.* ***1712 Multi-End Roving*** *is designed for use in end products which require a high standard of electrical properties together with high mechanical properties.*

- **Extreme ease of processing and excellent performance**
- **Offers a choice of outside (tubed) or inside (no-tube) payout**
- **Superior yield control and selection**
- **Catenary and fuzz is kept to a minimum**
- **Consistent dielectric and non-wicking properties in the composite**
- **Multi-compatibility eliminates the need to change creels when changing resin systems, thus minimizing process downtime**
- **Supported by PPG's extensive technical resources**

PRODUCT DESCRIPTION	
Type of Fiber	**E-Glass (ASTM D 578-98, paragraph 4.2.2)**
Filament Diameter, nominal	**K**
Micrometers µm (in X 10^{-5})	**13 (53)**
Roving Yields (yd/lb), ±5.5%	**56, 115, 216**
Roving Tex (g/km), ±5.5%	**8860, 4310, 2300**
Type of Sizing	**Silane**
Percent of Sizing, ±0.15%	**.60**

TYPICAL LAMINATE MECHANICAL PROPERTIES

Property	Unit	Minimum Average Value		ASTM Method
		Polyester	Epoxy	
Compressive Strength	MPa	415	415	D-695
	ksi	60	60	
	kg/cm^2	4220	4220	
Wet Strength Retention	%	80	90	
Glass Content of Rods (% by Weight)	%	50	50	D-2584

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

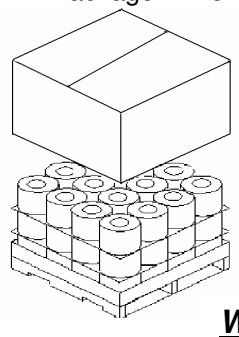
Caution: To avoid the possibility of potential injury, maintain column stability by limiting pallet stacking to two high as noted on individual shipping

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.

PALLETIZING & PACKAGING DATA

Bulk Pak (40 lb):

- 48 packages/pallet
- Four-way entry pallet: 104 x 104 cm
- Pallet Weight: 871 kg, 1,920 lb
- Package Weight (range): 16.9 – 19.1 kg, 37.5 – 42.5 lb.
- Package Dimensions: O.D., 25.4 cm, 10. in I.D., 7.6 cm, 3 in



When ordering specify:

1. **Type 1712**
2. **Nominal yield (yd/lb)**
3. **No tube (NT) or tubed (T)**
4. **Weight of roving pkg. (lb)**
5. **Total Weight of Order (lb)**