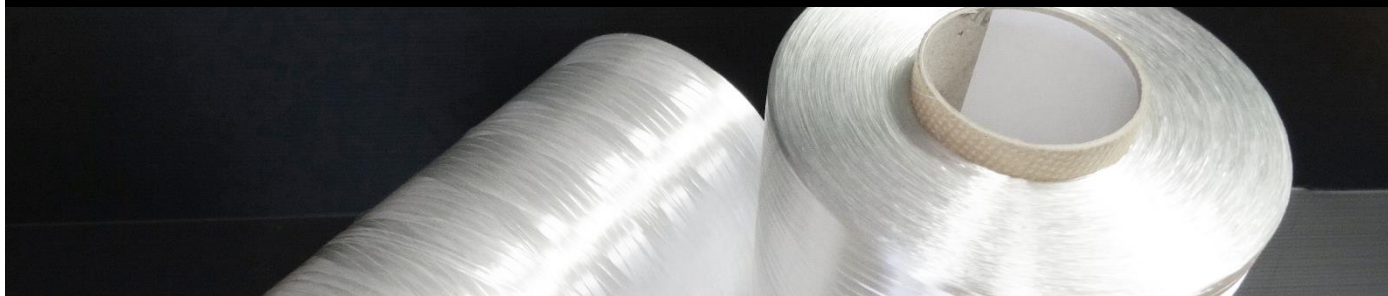


# P9HT HIGH PERFORMANCE R-GLASS

MULTI-END ROVING FOR AERONAUTIC APPLICATIONS



## DESCRIPTION

- **P9HT** Rovings are intended for production of composites structures requiring excellent mechanical performance in static and in fatigue.
- **P9HT** multi-end rovings are made from R-Glass, manufactured from a collection of continuous glass fibers which are gathered without intentional twist into a single roving.
- P9HT Rovings are coated with a silane type based sizing, and are specially designed for epoxy matrix composites.

## BENEFITS

- Boron and fluorine free glass
- High modulus
- High fatigue resistance
- Excellent mechanical and thermal properties
- Easy unwinding
- Very good wet-out and impregnation
- Low catenary
- Low fuzz

## APPLICATIONS

P9HT Rovings can be used in a large variety of textile processes:

- Unidirectional pre-pregging (dry and wet process)
- Filament winding (dry and wet process)
- Pultrusion
- Weaving (woven or knitted fabrics)





# P9HT HIGH PERFORMANCE R-GLASS

## MULTI-END ROVING FOR AERONAUTIC APPLICATIONS

### TECHNICAL CHARACTERISTICS (NOMINAL VALUES)

Product	Filament $\phi$ ( $\mu\text{m}$ )	Linear weight of roving (Tex) ISO 1889	Loss on Ignition (%) ISO 1887	Moisture content (%) ISO 3344
P9HT 10R 800	10	800	1.20	< 0.10
P9HT 10R 1600	10	1600	1.20	< 0.10

### PACKAGING

Roving are supplied on cardboard tubes for external unwinding.

Each bobbin is protected by a polyethylene bag and placed with a centring device in a cardboard box (220 × 220 × 278 mm). Between each layer is placed a cardboard plate for protection and stabilisation. The boxes are palletised and wrapped with a stretched film.

Packaging system is not designed for stacking.

Product	Roving $\phi$ (mm)		Height (mm)	Net weight (kg)	Layers per pallet	Bobbins per layer	Bobbins per pallet	Pallet dimensions L × W × H (cm)
	Internal	External						
P9HT 10R 800	76	195	270	10	4	20	80	120 × 100 × 132
P9HT 10R 800	76	230	270	14	4	20	80	120 × 100 × 132
P9HT 10R 1600	76	170	270	7.5	4	20	80	120 × 100 × 132

### LABELING

Each bobbin has a self-adhesive identification label, showing the product reference and the production date.

### STORAGE

The P9HT Rovings must be stored in their original packaging at temperatures between 0°C and +4°C, and be used within nine months from the manufacture date mentioned on its packaging.

### Americas

Owens Corning  
Composite Materials, LLC.  
One Owens Corning Parkway  
Toledo, Ohio 43659  
1.800.get.pink™

### Europe

Owens Corning  
Fiberglas Sprl.  
166 Chaussée de la Hulpe  
B-1170 Brussels  
Belgium  
+32 2 674 8211

### Asia Pacific

Owens Corning Shanghai Regional Headquarters  
Unit 01, 02,05, 39/F,  
Pudong Kerry Parkside,  
1155 Fang Dian Road, Pudong,  
Shanghai, 201204, China  
+86-21-6101 9666

This information and data contained herein is offered solely as a guide in the selection of reinforcement. The information contained in this publication is based on actual laboratory data and field test experience. We believe this information to be reliable, but do not guarantee its applicability to the user's process or assume any responsibility or liability arising out of its use or performance. The user agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production. It is important for the user to determine the properties of its own commercial compounds when using this or any other reinforcement. Because of numerous factors affecting results, we make no warranty of any kind, express or implied, including those of merchantability and fitness for a particular purpose. Statements in this publication shall not be construed as representations or warranties or as inducements to infringe any patent or violate any law, safety code or insurance regulation.

Owens Corning reserves the right to modify this document without prior notice.

© 2015 Owens Corning. All Rights Reserved.

Pub number: 10019593. MultiEndRov\_P9HT\_product sheet\_ww\_01-2015\_Rev0\_EN. January 2015

[MultiEndRovings@owenscorning.com](mailto:MultiEndRovings@owenscorning.com)  
[composites.owenscorning.com](http://composites.owenscorning.com)