

Product information

E-CR glass fibers



Description:

E-CR glass (*E-Glass Corrosion Resistant*) are glass fibers with an especially high chemical / thermal resistance. Due to this they are predestined for laminates which have contact with acids and bases like e.g. installations, containers and pipelines for the chemical industry.

Further advantages are the high dielectric strength and good wear resistance at simultaneously very good mechanical specific values of the laminate.

The used sizes and binder systems are multi compatible to the preferred used matrix systems like UP-, EP- and VE resins.

Product survey

- ▶ Direct rovings in 300, 600, 1200, 2400, 4800 and 9600 tex
- ▶ Mat powder- and emulsion bound in 300, 450 and 600g/m², other square weights on request, max. width 250 cm
- ▶ Assembled rovings for cutting- and spraying process
- ▶ Roving fabric and –core
- ▶ Combined mat 600, 900, 1050, 1250g

Quality control

The quality control happens with ultramodern sensoric and analytic as well directly online on the production installations as also offline in own but also in external laboratories. The testing methods and results are determined according to ISO-guidance.

Product information

E-CR-glass direct roving



Description:

E-CR-glass direct roving is drawn „directly“ from the glass melting and wound to a roving bobbin without turn. It is characterized by a soft silane size that is especially recommended for winding and pultrusion. The silane size was optimized for the working with polyester-, epoxy, phenol- and vinylester resins.

Compared to E-glass, E-CR glass has excellent chemical and thermal resistance and higher dielectric strength.

Therefore the preferred uses are installations and containers for the chemical industry.

Quality characteristics:

- ✓ High wear resistance and therefore low glass fiber fluff
- ✓ Loop free and consistent stress roving skein
- ✓ Good saturating and wetting characteristics

Technical characteristics (target values):

	Unit	E-CR300	E-CR600	E-CR1200	E-CR2400	E-CR4800	E-CR9600	Test method
Filament diameter	µm	13	16	16	22	24	28	ISO 1888
Nominal fineness roving skein	tex	300	600	1200	2400	4800	9600	ISO 1889
Size content	%	0.55 +/- 0.15						ISO 1887
Bobbin weight	kg	15 to 19 kg according to customers request						

Conditioning and packaging (standard version):

Bobbin size:	outside: 300 mm, height: 265 mm, inside: 170 mm	
Bobbin packing:	PE-foil	
Bobbins per pallet:	48 pieces (à ca. 15 – 19 kg)	64 pieces (á ca. 15 – 19 kg)
Pallet weight / -size	to 830 kg (115 x 115 x 95 cm)	to 1070 kg (115 x 115 x 115 cm)