

Filament Winding, Pultrusion, Weaving, Unsaturated Polyester and Epoxy Resins

E-CR glass

3B E-CR glass is boron-free and presents significantly improved corrosion resistance across a wide range of aggressive environments.

3B glass is E-CR according to ASTM D578 and ISO 2078.

This translates into important benefits for end-users over traditional E-glass: longer service life, larger safety coefficients for the same design, and material savings. Traditional E-glass includes boron and often contains added fluorides. By using new manufacturing technology to eliminate these components from the glass composition, 3B E-CR glass has become a benchmark for integrated pollution prevention and the highest energy efficiency – all in an optimized process.

3B measures its efforts and works continually to minimize its impact on the environment and to set new standards within the global glassfibre industry. This is our commitment.

SE 1043

Direct Roving for UP, Epoxy



Product Description

3B Direct Roving SE 1043 consists of continuous glass filaments bonded into a single strand and wound on bobbin shape without twist. A proprietary sizing applied on the fibres assures an excellent resin-to-glass bonding.

Corrosion resistant SE 1043 Direct Roving made of E-CR glass is specifically designed for manufacturing of composites pipes and underground

& chemicals tanks.

SE 1043 Direct Roving is also used in pultrusion to manufacture profiles and weaving-knitting process under specific conditions.

3B Direct Roving SE 1043 conforms to BS 14020 and IS 11320.

Contact us for further assistance.

FEATURES	BENEFITS
Low fuzz formation	Minimal damage to fibre and higher mechanical properties
Boron-free E-CR glass	High corrosion resistance
Good resin impregnation	Uniform and consistent product
Even tension	Easy unwinding while processing

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PRODUCT CHARACTERISTICS

Product name	Filament diameter µm	Linear density - tex (gr/km)	Solid content % by weight	Moisture content %
SE 1043	17	1200	0,5	max 0,2
SE 1043	24	2400	0,5	max 0,2
SE 1043	24	4800	0,5	max 0,2

PACKAGING

Bobbins are individually tack wrapped for protection, improved handling and to allow optimum transfer from bobbin to bobbin.

Nominal weights of bobbins varies from 10 to 22 kg. A pallet of size 92cm x 110cm contains 48 and 110cm x 110cm contains 64 bobbins and stretch wrapped with plastic film for protection.

Two pallet configurations are available:

- Bulk-Pack: standard packaging, consists of individual bobbins
- Creel-Pack: bobbins are connected together for continuous unwinding and no bobbins handling for operators.

STORAGE

Storage vertically in a cool and dry warehouse into the original packaging is formally recommended.

More precisely ideal storage conditions are a temperature between 15°C and 35°C and a relative humidity comprised between 35% and 75%.

If these conditions are maintained, the glass fibre product should not undergo significant changes when stored for extended periods of time.

It is also strongly recommended to condition it in the workshop for at least 24 hours before use to prevent condensation. For an optimal processing it is recommended to use the product in ambient conditions (20°C-30°C and a relative humidity of 60%-65%).

Binani

3B the fibreglass company

B R A J B I N A N I G R O U P

Customer Service India

Survey No 220,Village Colvale
Taluka, Bardez, Goa-403 513, India
P. +91 832-2299 884/886
F. +91 832-2299 887
E. goa@3b-fibreglass.com

Customer Service Europe

Ildefonse Vandammestraat 5-7
B-1560 Hoeilaart, Belgium
P. +32 2 402 2000
F. +32 2 402 2002
E. 3B-thefibreglasscompany@3b-fibreglass.com

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