

Headliners & Sheet Moulding Compound

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 fibreglass industry. This is our commitment.

CR 2040 & CR 2080

Choppable Rovings for Unsaturated Polyester & Polyurethane



Product Description

3B Choppable Rovings CR 2040 and CR 2080 consist of multiple continuous strands of smaller tex made from 3B E-CR glass, wound onto a bobbin shape without mechanical twist. They are free from static electricity generation.

Choppable Rovings CR 2040 and CR 2080 are silane sized. They are specifically designed for Sheet Moulding

Compound (SMC) applications, in particular in automotive parts, sectional panel tanks, electrical items. CR 2040 is particularly well-suited for the production of automotive headliners.

3B Choppable Roving CR 2080 conforms to BS 14020 and IS 11320.

FEATURES	BENEFITS
Boron free E-CR glass	High corrosion resistance
Easy unwinding and excellent chopping	No interruption while processing, hence higher productivity
Excellent dispersion and even distribution	Good fabrics coverage
Good splitting efficiency & low fuzz formation	Minimal damage of fibre while processing, hence higher mechanical properties
Good wet-out	No white patches or fibre patterns on finished products

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PRODUCT CHARACTERISTICS

Product name	Filament diameter µm	Linear density - tex gm/km	Solid content % by weight	Moisture content %
CR 2040 & CR 2080	13	2400	1.2	Max 0.2
CR 2040 & CR 2080	13	4800	1.2	Max 0.2

PACKAGING

Bobbins are individually tack wrapped for protection, improved handling and to allow optimum transfer from bobbin to bobbin. Nominal weight of bobbin is around 17kg. A pallet of size 92cm x 110cm contains 48 bobbins 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 bobbin handling by 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 & 35°C and a relative humidity comprised between 35% & 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 24hours before use to prevent condensation. For an optimal processing we recommend to use the product in ambient conditions (20°C-30°C and a relative humidity of 60%-65%).



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