

Sheet Moulding Compound
Headliners

E-CR glass

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

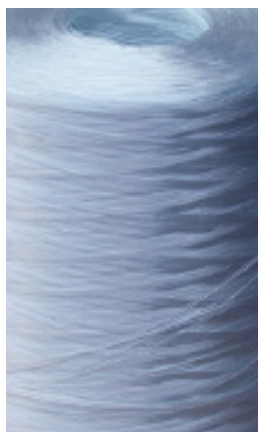
3B glass is E-CR according to ASTM D578 and ISO 2078.

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

Choppable Roving for Unsaturated Polyester, Polyurethane & Vinylester



Product Description

3B Choppable Roving CR 2040 is made of E-CR glass. It consists of low tex strands, assembled together and wound onto a bobbin shape without mechanical twist, free from statics.

Choppable Roving CR 2040 is silane sized and is compatible with resin systems such as unsaturated polyesters, polyurethanes and vinylesters.

CR 2040 is specifically designed for Sheet Moulding Compound (SMC) for the production of parts such as front grill for automotive, hood for farm tractors, or panels for electrical boxes.

CR 2040 is also well-suited for the production of automotive headliners.

3B Choppable Roving CR 2040 conforms to BS 14020 and IS 11320.

FEATURES	BENEFITS
Boron free E-CR glass	Environment-friendly, offering high corrosion resistance
Easy unwinding and excellent chopping	No interruption while processing, hence higher productivity
Excellent dispersion	Well distributed coverage
Good splitting efficiency & low fuzz formation	Minimal damage to fibres while processing, hence higher mechanical properties
Even distribution	Uniform mechanical properties

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PRODUCT CHARACTERISTICS

Product name	Filament diameter (µm)	Linear density (tex - g/km)	Solid content (% by weight)	Moisture content (%)
CR 2040	13	2400	1.2	Max 0.2
CR 2040	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 bobbins 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

Each bobbin and pallet are identified by a label.

STORAGE

Material must be stored in its original packaging without direct exposure to sun and/or water. 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 in packed condition 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%).



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