

Compounding
Various mixing

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.

MF 01 ER

Milled Fibre



Product Description

3B Milled Fibre are E-CR glass filaments ground to a specified density. MF 01 ER is designed to reinforce products like thermoplastics, thermoset resins, glues, coatings and adhesives within a large range of applications and markets.

MF 01 ER represents a main improvement compared to minerals when aiming a higher stiffness and/or better impact properties in combination with specific properties, such as flow

enhancement, flame retardancy, uniform isotropic shrinkage, resistance to acid environment, coating stability, etc.

MF 01 ER can be collocated in between mineral fillers and most commonly available milled fibres as it displays an intermediate length/diameter aspect ratio. The product comes in a powdery form that provides both improved flowability/handling and low density.

FEATURES

Using Milled Fibre will bring you...

BENEFITS

- Reduction of deformations, better dimensional stability and shrinkage control
- Improved thermal properties
- Flame retardant effect
- Higher resistance to abrasion
- Anti-crack effect in gel coating and paints
- Viscosity increase

Powder form

- Good flowability and easy to blend into resin or liquid
- Increased productivity
- Excellent surface finishing

MF 01 ER

Milled Fibre



PRODUCT CHARACTERISTICS

Product name	Tamp density ml/100gr	Morphology	Aspect ratio Length/diameter	Solids content %
MF 01 ER	50-85	Powdery	1,5	< 0,30

PACKAGING

MF 01 ER is packed in specific 1000kg polypropylene bags for optimal feeding. Bulk bags are of sufficient strength to insure adequate protection during transit and stores.

The packaging stacking is not recommended.

STORAGE

Storage in a cool and dry warehouse into their original packaging is formally recommended. Ideal storage conditions are a temperature between 15°C and 35°C and a relative humidity of 35% and 75%.

Opened packages should be released to prevent contamination of the product or discard.

If the following recommendations are followed, the glass fibre products should not undergo significant changes when stored for extended periods of time.

If the product is not stored under these conditions, it is strongly recommended to condition it in the work shop for at least 24 hours before use.

Binani



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

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