zero waste works

RECYCLED STEEL CORD FIBRES

Technical datasheet

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ABOUT

Recycled Steel Cord Fibres (RSCF) are formed by post-processing relatively short lengths of steel cord that is a by-product of the steel cord manufacturing.

RSCF are technically advanced fibres that provide continuous and effective bond along their length due to the large surface area of the constituent twisted filaments.

RSCF have excellent environmental credentials, as the energy required for converting the waste steel cord into usable fibres, is only a fraction of that needed to produce new steel wires.

MATERIAL PROPERTIES

- Tensile strength: 2,500 MPa
- Young's Modulus: 200,000 MPa

GEOMETRY

- Overall length: 60 mm
- Overall diameter: 1.2 mm
- Aspect ratio: 50

STRUCTURE

Cord consisted of 3 individually twisted strands, each made out of 7 twisted brass coated cold-drawn steel filaments (individual filament diameter 0.21mm); all twisted together.

PACKAGING

- 20 kg reinforced paper bags
- Supplied on pallets

SAFETY/STORAGE

- Eye protection & gloves must be worn during handling
- Keep dry
- No stacking