

Technical Data Sheet

Master EX PP Fiber 0.12

Product description

Master EX PP Fiber 0.12 is a high-strength fiber made of 100% virgin polypropylene as the raw material. The fibres are extremely fine, single filaments coated with surfactant to improve initial dispersion and bond, specifically developed as a crack control additive for concrete and mortar.

Specifications and characteristics

Type:	Micro Monofilament
Length:	12mm
Diameter:	30-32 micron
Tensile Strength:	≥450 MPa
Elastic Modulus:	≥3500 MPa
Elongation:	20-25%
Spin finish :	0.15 to 2%
Specific Density:	0.91/cm ³
Melting Point:	160-170°C
Acid&Alkali Resistance:	High

Applications

Shotcrete
Concrete Buildings
Internal wall panels
Fire Resistance
Roads, Bridges, Tunnels, Airport
Repair Materials

General Properties

Reduced plastic shrinkage and cracks
Reduced Explosive Spalling in Fire
Increased Impact resistance
Improved Acid&Alkali Resistance
Improved Freeze/Thaw Resistance

Packaging & Storage

18 kg/bag (each 0.6 kg of fibers are packed in a water soluble paper bag)
Custom packing available
Store in cool and dry conditions

Safety

According to EU legislation on dangerous substances and preparations, PP Fiber does not belong to hazardous material. Further information on safety aspects is given in Safety Data Sheet.

All of data, suggestions, and proposals presented here are based on our current knowledge and experience in raw materials and application technologies, which do exclude the responsibility of users to scrutinize the quality of all received products. Because we are out of control of quality in users' raw materials, production and application methods, service conditions as well as local standards, our suggestions and proposals do not imply any guarantee and promise for end end product quality. The users should be responsible for formulation adjustment according to real conditions to meet project quality requirements.