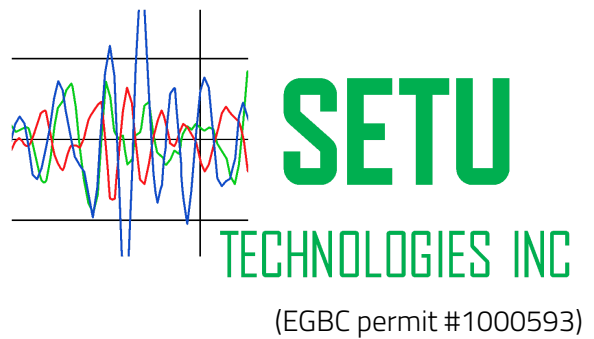




Setu Technologies Inc. Fiber Technical Data Sheet



Setu PP Fibers

Baseline fibers made with Polypropylene (PP).

Description

SETU PP Fibers are high-performance synthetic monofilament fibers made from polypropylene (PP), designed for use in concrete, mortar, and grout applications. SETU PP Fibers are engineered to significantly reduce the occurrence of plastic shrinkage cracking and enhance the overall durability of concrete. SETU PP Fibers improve the homogeneity and performance of concrete by providing multidirectional reinforcement at the micro level. By incorporating SETU PP Fibers into your concrete mix, you can achieve improved crack resistance, reduced permeability, and greater long-term durability, making it an ideal solution for a wide range of construction applications.

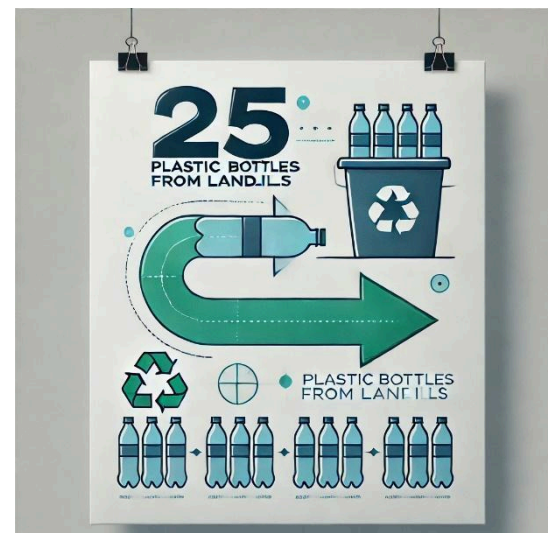
Product Characteristics

Features

- Each order is verified with in-house testing to ensure quality.
- Made from recycled PP.
- Thin, uniform fibers that disperse evenly in the mix for optimal performance.
- Fibers provide uniform, 3D reinforcement within the concrete matrix.
- Resistant to alkali and other harsh substances in concrete.
- Unlike steel fibers, PP fibers are corrosion-resistant, even in highly exposed environments.

Benefits

- Made from recycled plastic, each kilogram of SETU fibers helps divert 25 plastic bottles from landfills, contributing to environmental sustainability.
- Reduces plastic shrinkage cracking during curing.
- Enhances concrete durability and lifespan.
- Improves surface finish by minimizing cracks.
- Cost-effective solution that prevents expensive repairs.
- Easy to use with no special application equipment needed.



Technical Data

Table 1: Technical details for fibers.

Property	Value
Density	900-920 kg/m ³
Tensile Strength (ASTM D2256)	>25 MPa
Material	100 % recycled polypropylene
Nominal length	25 mm
Nominal diameter	0.8 mm
Surface Texture	Smooth surface
Appearance/colour	Grey/Opaque
Melting point	160-170 °C
Chemical Reactivity	Low
Electrical/Thermal Conductivity	Low

Liability Clause for Fibers in Concrete:

"The manufacturer of fibers in concrete products shall not be liable for any damages, losses, or injuries arising from the use or misuse of said fibers. Users assume all risks associated with their use and agree to indemnify the manufacturer against any claims or liabilities."

