

MEGA FIBER G

Fibers For Reinforce Concrete

DESCRIPTION

- MEGA FIBER G produced from 100 % Fiberglass coated.
- To be add to concrete mix mortar or cementations product to enhance all strength.
- To prevent hair cracks for concrete, epoxy mortar and lining.

ADVANTAGES

- * Compatible to all kind of Portland cement, epoxy resins and stand against U.V.
- * Alkali resistance and does not effected by chemicals and corrosion.
- * To be used as a reinforcement for concrete, epoxy mortar, epoxy lining for tanks and pipes.
- * Resist hair cracks in concrete.

DIRECTION OF USE AND RATE OF CONSUMPTION

- For use as concrete reinforcement 900 gram/m³
- For use in mortar and grouts 500 grams/50 kg of cement
- For use in epoxy mortar 5-10 % by weight

TECHNICAL INFORMATION

Kind	Fiberglass coated	Conductivity	Non
Diameter	17 microns	Impact forces	Very good
Length	12 mm	Compressive strength	Increase compressive strength

STRENGTH in Construction

DESCREPTION GOODS : FIBERGLASS CHOPPED STRAND

Specification	Filament Diameter (μm)	Fiber length (mm)	Loss On Ignition (%)	Moisture Content (%)
ARCC-12	13 ± 2	12	1.4 ± 0.2	< 0.2
ARCC-24	13 ± 2	24	1.4 ± 0.2	< 0.2
ARCC 36	13 ± 2	36	1.4 ± 0.2	< 0.2

QUALITY ALKALI GLASS CHEMICAL CONTENT

Chemical Content	Test Value (%)
SiO ₂	60 ± 0.8
ZrO ₂	$> 14.5 \%$
TiO ₂	6.0 ± 0.5
CaO	4.5 ± 0.5
Na ₂ O	12.5 ± 0.8
K ₂ O	2.5 ± 0.3
Al ₂ O ₃	< 1.0
Fe ₂ O ₃	< 0.5

ALKALINE RESISTANCE

SOAKED IN 100 C SATURATED Ca (OH)₂ SOLUTION FOR 4 HOURS, REMAINED STRENGTH $> 82 \%$

DIAMETER DIMINUTION $< 0.5 \%$

SOAKED IN 100 C 10 % NaOH SOLUTION FOR 1 HOUR, WEIGHT LOSS $< 5 \%$ (WITHOUT SIZING)

PACKAGES

25 kg, 900 gm

TECHNICAL SERVICES

For further information, on-site assistance and trails, Please contact our technical advisory services.

STRENGTH in Construction