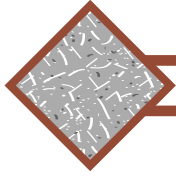


# POLYMESH™



## POLYMESH SPEC DATA BULLETIN

### DESCRIPTION

PolyMesh™ Synthetic (polypropylene) Fiber for Secondary Concrete Reinforcement is a material utilized in ready - mix concrete to control plastic shrinkage and settlement cracking inherent to unreinforced concrete. PolyMesh fibrillated fiber is manufactured from 100% virgin polypropylene containing no reprocessed olefin materials and is designed specifically for use as a secondary concrete reinforcement. Unless otherwise specified, application rate shall be 1.5lbs per cubic yard of concrete (0.1% by volume). PolyMesh fiber complies with National Building Codes and ASTM C-1116 Type 111, 4.1.3.

### BENEFITS

- Alternate method of secondary reinforcement to non-structural wire mesh to control shrinkage and settlement cracking in concrete
- Provides multi-dimensional rather than single plane secondary reinforcement
- Always positioned in compliance with codes
- Inhibits plastic shrinkage cracking in concrete
- Increases impact, shatter and abrasion resistance
- Reduces permeability
- Improves durability and fatigue resistance of concrete
- Accepted by National Building Codes as an alternate method of secondary reinforcement

### PHYSICAL PROPERTIES

Material:	100% Virgin Polypropylene	Specific Gravity: 0.91
Modulus:	9.58 (4.0kN/mm <sup>2</sup> )	Tensile Strength: 97 ksi avg
Ignition Point:	1100 F (590 C)	Melting Point: 330 F (165 C)
Chemical Resistance:	Excellent	Alkali Resistance: Excellent
Acid & Salt Resistance:	Excellent	Absorption: Nil
Fiber Length:	½", ¾", 1½", 2"	

### APPROVALS

- 1.) ICC-ES Evaluation Service, Inc.....Report #ESR-1699
- 2.) Underwriters Laboratories, Inc.....File # R19202
- 3.) Conforms to the requirements of.....ASTM: C1116-03
- 4.) Average Residual Strength of 61 PSI in accordance with.....ASTM: C1399