



**ADVANCED  
FIBER  
SOLUTIONS, INC**

Fibers for Asphalt,  
Concrete & Stucco

# Technical Data Sheet

**Physical Properties:** AFS Multi-Monofilament Fibers are manufactured from 100% polypropylene and have the following physical characteristics. AFS Multi-Monofilament Fibers meet or exceed manufacturer requirements of ASTM-C1116 and are approved by the International Code Council Evaluation Service (ICC-ES, formerly ICBO)

Property	Characteristic	ASTM
Cut length	Multi-length (1/4", 1/2", 3/4")	
Denier	6 (5-8)	ASTM 1577B
Elongation	40-150%	ASTM 2101-91
Fibers per lb.	65 million	
Resin Melt Flow Rate, g/10 min.	12-18	ASTM D-1238
Density, g/cm <sup>3</sup>	0.905	ASTM D-1505
Melting Point, C	160-170	ASTM – DSC
Plastic Shrinkage Crack Reduction @ 2/3 lb./yd.	79.1%	
Flexural Modulus, psi	200,000	ASTM D-790
Tensile Strength, psi	93,100	ASTM D-3822
Flexural Stiffness, psi	160,000	ASTM D-790
UV Resistance	Excellent	
Alkali Resistance	Excellent	
Specific Gravity	0.91	
Heat Conductivity	Low	
Electrical Conductivity	Low	
Water Absorption	Nil	

**AFS PROD. CODE – MNGN01**

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