

MINIFIBERS, INC.

TECHNICAL DATA SHEET

SHORT STUFF® SYNTHETIC PULP

Document No. SS-05
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		POLYETHYLENE							POLYPROPYLENE	
Hydrophobic Grades		ESS5F	ESS2F	E380F	E400F	NA	E780F	E990F	UL410F	Y600F
Water-Dispersible Grades (attract moisture without absorbing it for improved dispersion)		ESS50F	NA	E385F	NA	E505F	NA	NA	NA	NA
Classified Fiber Length (CFL) Expressed in millimeters (mm)		0.1	0.6	0.55~0.8	0.75~1.05	0.8~1.1	1.3~2.0	1.8~2.3	0.9-1.0	1.0
Fiber Diameter Expressed in microns		5	5	15	15	15	25	20	15	30
Surface Area (m²/gm) Measured by gas absorption		12	12	8	8	8	8	8	8	5
Melting Point (°F)		~275							~257	~329
Bulking Value	Gallons per Lb	0.1250~0.1319							0.1320	
	Lbs per Gallon	7.580~7.997							7.590	
Moisture Content (%)		<2.0							<2.0	
Specific Gravity (g/cm³)		0.96							0.91	
Polar Property		Anionic (negative)							Anionic (negative)	
Fiber Type		HDPE							Homo PP	
Chemical Formula		-{CH ₂ - CH ₂ }-							-{CH ₂ - CH(CH ₃)}-n	
CAS Number		9002-88-4							9003-07-0	
Dispersibility		Dispersible in aqueous or solvent systems.								
Plasticity, Appearance, and Odor		Soft, flexible fibers, white and fluffy with no odor.								
Effects of Bleaches and Solvents		Swells in chlorinated hydrocarbons at room temperature. Soluble at 160 to 170 °F.								
Effects of Acids and Alakalis		Excellent resistance to acids and alkalis, with the exception of oxidizing agents.								
Resistance to Mildew, Aging, Sunlight, Abrasion		Not attacked by mildew; good resistance to aging, sunlight, and abrasion.								
Packaging		Packaged in multi-walled kraft bags.								