

## HIGHLY FIBRILLATED HDPE TECHNICAL DATA SHEET

Grade		ESS5F	ESS50F*	ESS2F	ESS20F*	E380F	E505F*	E620F	E780F	E990F	AU690F
Average Length Expressed in millimeters (mm)		~0.1	~0.1	~0.6	~0.6	~0.5	~0.6	~0.65	~0.9	~1.0	~0.75
Average Diameter Expressed in microns		5	5	5	5	15	15	15	25	20	-
Surface Area (m²/gm) Measured by gas absorption		12	12	12	12	8	8	8	8	8	-
		* Treated for improved dispersion in water based systems									
Packaging		Packaged in multi-walled kraft bags.									
Lbs per Bag		15	15	15	15	15	15	15	10	10	15
Bags per Pallet		50	50	50	50	50	50	50	75	75	50
Melting Point			~135°C / ~275°F								
Specific Gravity (g/cm³)			0.96								
Dispersibility		Dispersible in water or solvent based systems. Refer to mixing instructions for appropriate methods of dispersion.									
Dosing		Typical dosage ranges from 0.5 to 1.0% by total formula weight for most applications; suggested starting formulations are available upon request.									
Bulking Value	Metric		1.04~1.10 litres/kg91~.96 kgs/litre					Mixing Instructions: Starting			ormulations:
	English		0.1250~0.1319 gallons/lb 7.580~7.997 lbs/gallon						_		
CAS Number		9002-88-4						回祝风		_ <b>□</b> }	ide.  ■
Plasticity, Appearance, and Odor		Soft, flexible fibrils; white and fluffy with no odor.					_ ;	1246	à		1400
Moisture Content			Less than 2% residual moisture as packaged.					<b>凯克拉</b>	ĝ.		9
Moisture Absorption		Does not absorb moisture.					٠	<u> </u>	-	، ت	1.46CY2
Effects of Bleaches and Solvents		S	Swells in chlorinated hydrocarbons at room temperature; soluble at 71-77°C / 160-170°F.						M		
Effects of Acids and Alkalis		Excellent res	Excellent resistance to acids and alkalis, with the exception of oxidizing agents.								
Microbial Resistance		Not atta	Not attacked by mold or mildew. Does not promote microbial growth.								
Durability			Resists aging and abrasion.								
Shelf Life		Up to	Up to and exceeding 5 years in appropriate storage conditions.							1.00kV LEI	10µm
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The above information is provided to describe typical values and does not constitute a product specification. MiniFIBERS warrants that for each Product sold, such Product will meet the standard specifications provided for that Product and will be of a quality consistent with the standard specifications. This is the sole warranty given with respect to the Product, and is given expressly in lieu of any other warranties, expressed or implied, including without limitation any implied or general warranty of merchantability or of fitness for a particular purpose. It is expressly understood that any technical advice or assistance that may be provided by MiniFIBERS is rendered without compensation, and MiniFIBERS assumes no obligation or liability for such advice or assistance given, or for results obtained.



The product should be protected from extreme elements and kept dry while in storage. Avoid storing with heavy weight stacked or placed on top of the bags,

which will cause the product to compact. Storage with or next to chlorine or chlorinated products is not recommended.

**Storage Recommendations**