## **SHORT STUFF**<sup>®</sup>

## HIGHLY FIBRILLATED HDPE

## **TECHNICAL DATA SHEET**

Grade		ESS5F	ESS50F*	ESS2F	ESS20F*	E380F	E505F*	E620F	E780F	E990F	AU690F	
<b>Average Length</b> 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								•	~125°C / ~257°F	
Specific Gravity (g/cm³)		0.96									0.92-0.93	
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					Mix	Mixing Instructions: St			Starting Formulations:	
	English	0.1250~0.1319 gallons/lb 7.580~7.997 lbs/gallon					_		_			
CAS Number		9002-88-4								P	i. 🗆	
Plasticity, Appearance, and Odor		Soft, flexible fibrils; white and fluffy with no odor.					- ;	13 46	ð i	- 44		
Moisture Content		Less than 2% residual moisture as packaged.					ī I	nf 13		- Ē.	9 <b>9 1</b> 1	
Moisture Absorption		Does not absorb moisture.					- ·		-			
Effects of Bleaches and Solvents		Swells in chlorinated hydrocarbons at room temperature; soluble at 71-77°C / 160-170°F.							1AP			
Effects of Acids and Alkalis		Excellent resistance to acids and alkalis, with the exception of oxidizing agents.					ASS I	1.5	20=	3/2/5	· Dor	
Microbial Resistance		Not attacked by mold or mildew. Does not promote microbial growth.									S TOX	
Durability		Resists aging and abrasion.										
Shelf Life		Up to and exceeding 5 years in appropriate storage conditions.									10µm SEM WD 14.8mm	
Storage Recommendations		The proc	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.									

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.

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