

SHORT STUFF®

HIGHLY FIBRILLATED HDPE FIBERS

TECHNICAL DATA SHEET

Grade	ESS5F	ESS50F*	ESS2F	ESS20F*	E380F	E505F*	E620F	E780F	E990F	AU690F
Average Fiber 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
Fiber 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	-
* For improved dispersion in aqueous systems										
Melting Point	~135°C / ~275°F									~125°C / ~257°F
Specific Gravity (g/cm³)	0.96									0.92-0.93
Moisture Content (%)	<2.0									
Bulking Value	Metric	1.04~1.10 litres/kg -- .91~.96 kgs/litre								
	English	0.1250~0.1319 gallons/lb -- 7.580~7.997 lbs/gallon								
Fiber Type	HDPE									
Chemical Formula	-(CH ₂ - CH ₂)-									
CAS Number	9002-88-4									
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 Alkalis	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.									
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
<p>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.</p>										