

Technical Data Sheet

PHYSICAL PROPERTIES FYBREL® SYNTHETIC FIBER

PRODUCT CODE	AVERAGE FIBER LENGTH (mm)	FIBER DIAMETER (microns)	SURFACE AREA (m2/gm) (measured by gas absorption)	DRAINAGE FACTOR (sec/gm)	AVERAGE MOISTURE %	DENSITY	MELTING POINT	MELT INDEX (g/10 min)	DRY WEIGHT PER BALE (lbs)
Polyethylene									
ESS2 ⁴	0.6	5	12	2.0	47	0.96	275°F(135°C)	60	248.02
ESS5 ⁴	0.1	5	12	1.9	50	0.96	275°F(135°C)	500	228.18
EST8 ¹	0.9	5	10	2.5	59	0.96	275°F(135°C)	7	188.49
E380 ⁴	0.7	15	8	0.3	39	0.96	275°F(135°C)	20	287.70
E400 ³	0.9	15	8	2.0	63	0.96	275°F(135°C)	7	168.65
E620 ¹	1.3	15	8	6.0	65	0.96	275°F(135°C)	3	168.65
E780 ^{2,4}	1.6	25	8	0.3	36	0.96	275°F(135°C)	7	297.62
E790 ¹	1.6	20	8	0.5	50	0.96	275°F(135°C)	7	228.18
E990 ¹	2.1	20	8	0.4	50	0.96	275°F(135°C)	7	228.18
UL410 ^{1,2}	0.9	15	8	2.0	55	0.94	257°F(125°C)	8	188.49
Modified Polyethylene									
AU690	1.2	-	-	-	52	0.93	212°F(100°C)	-	178.57
NL491	1.0	-	-	-	55	0.93	212°F(100°C)	-	168.65
Polypropylene									
Y600 ^{1,4}	1.0	30	5	0.2	60	0.91	329°F(165°C)	18	148.81

1. Recommended for use in wet-laid process.
 2. Recommended for use in air-laid process.
 3. Recommended for use in either wet-laid or air-laid process.
 4. Specialty applications.
- Additional grades available upon request. Specific applications for all grades are available upon request.