PRODUCT DESCRIPTION SHEET

SOLMAX

MIRAFI HP-Series

Woven goetextiles designed for stabilization & soil reinforcement

MIRAFI® HP-Series is a proven solution designed for soil stabilization, separation, slope armoring filtration, and reinforcement in civil engineering and construction projects. This line of woven geotextiles offers robust strength and durability for constructing roads, railways, and embankments on soft foundations, as well as for reinforcing bridge abutments and various other market applications.

MIRAFI HP-Series can be seamed together to eliminate concerns about deployment direction and reduce material waste. Panels can be sewn together in the factory or the field.

Applications

- Roadway & railway construction
- Embankment stabilization
- Slope armoring filtration
- Pond closures and underwater sediment caps
- Reinforcement for mechanically stabilized earth (MSE) structures , including GRS-IBS bridge abutments. and temporary fabric wrapped walls.

Primary functions

- Reinforcement
- Filtration
- Separation

Proven Performance

- Provides separation with controlled filtration and drainage
- Resists damage from moderate to severe stresses during installation
- Available in multiple roll sizes to fit a range of project requirements
- Can be produced with PET integrated into the weave structure for underwater applications.

PRODUCT DESCRIPTION SHEET

MIRAFI HP-Series

PROPERTY	TEST METHOD	UNIT	HP270	HP370	HP570
Wide-width tensile strength				**Minimum average roll value**	
@ Ultimate (MD)	ASTM D4595	lbs/ft (kN/m)	2640 (38.5)	3600 (52.5)	4800 (70.0)
@ Ultimate (CD)	ASTM D4595	lbs/ft (kN/m)	2460 (35.9)	3240 (47.3)	4800 (70.0)
@ 5% Strain (MD)	ASTM D4595	lbs/ft (kN/m)	1272 (18.6)	1500 (21.9)	2400 (35.0)
@ 5% Strain (CD)	ASTM D4595	lbs/ft (kN/m)	1440 (21.0)	1560 (22.8)	3000 (43.8)
HYDRAULIC PROPERTIES				**Minimum roll value**	
Flow rate	ASTM D4491	gal/min/ft² (l/min/m²)	40 (1630)	60 (2444)	30 (1222)
Permittivity	ASTM D4491	sec	0.60	0.80	0.50
				Maximum opening size	
Apparent Opening Size	ASTM D4751	US Sieve (mm)	30 (0.60)	30 (0.60)	30 (0.60)
PACKAGING					
Roll Width		ft (m)	15 (4.5)	15 (4.5)	15 (4.5)
Roll Length		ft (m)	300 (91)	300 (91)	300 (91)
Area		yd² (m²)	500 (418)	500 (418)	500 (418)

PROPERTY	TEST METHOD	UNIT	HP665	HP770	HP770PET
Wide-width tensile strength				**Minimum average roll value**	
@ Ultimate (MD)	ASTM D4595	lbs/ft (kN/m)	5450 (78.8)	7200 (105.1)	600 (105.1)
@ Ultimate (CD)	ASTM D4595	lbs/ft (kN/m)	7500 (109.4)	5760 (84.0)	800 (140.1)
@ 5% Strain (MD)	ASTM D4595	lbs/ft (kN/m)	1200 (17.5)	3600 (52.5)	300 (52.5)
@ 5% Strain (CD)	ASTM D4595	lbs/ft (kN/m)	4200 (61.3)	3600 (52.5)	350 (61.3)
HYDRAULIC PROPERTIES				**Minimum roll value**	
Flow rate	ASTM D4491	gal/min/ft² (l/min/m²)	20 (815)	65 (2648)	55 (2241)
Permittivity	ASTM D4491	sec	0.26	0.90	0.70
				Maximum opening size	
Apparent Opening Size	ASTM D4751	US Sieve (mm)	40 (0.425)	20 (0.85)	30 (0.60)
PACKAGING					
Roll Width		ft (m)	15 (4.5)	15 (4.5)	15 (4.5)
Roll Length		ft (m)	300 (91)	300 (91)	300 (91)
Area		yd² (m²)	500 (418)	500 (418)	500 (418)

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