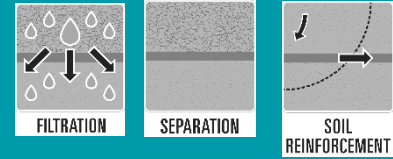


# Mirafi® HP270



Mirafi® HP270 geotextile is composed of high-tenacity polypropylene yarns, which are woven into a network such that the yarns retain their relative position. Mirafi® HP270 geotextile is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

TenCate Geosynthetics Americas Laboratories are accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP). NTPEP Listed

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Tensile Strength (at ultimate)	ASTM D4595	lbs/ft (kN/m)	2640 (38.5)	2460 (35.9)
Tensile Strength (at 5% strain)	ASTM D4595	lbs/ft (kN/m)	1272 (18.6)	1440 (21.0)
			Minimum Roll Value	
Flow Rate	ASTM D4491	gal/min/ft <sup>2</sup> (l/min/m <sup>2</sup> )	40 (1630)	
Permittivity	ASTM D4491	sec <sup>-1</sup>	0.6	
			Maximum Opening Size	
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	30 (0.60)	
			Minimum Test Value	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	80	

Physical Properties	Unit	Roll Size		
Roll Dimensions (width x length)	ft (m)	12.5 x 375 (3.81 x 114)	15 x 300 (4.5 x 91)	17 x 375 (5.2 x 114)
Roll Area	yd <sup>2</sup> (m <sup>2</sup> )	521 (436)	500 (418)	708 (592)

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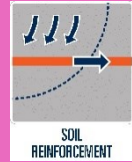
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FGS000117  
ETQR35



GAI-LAP-25-97

# Mirafi® HP370



Mirafi® HP370 geotextile is composed of high-tenacity monofilament polypropylene yarns, which are woven into a network such that the yarns retain their relative position. Mirafi® HP370 geotextile is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

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Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Tensile Strength (at ultimate)	ASTM D4595	lbs/ft (kN/m)	3600 (52.5)	3240 (47.3)
Tensile Strength (at 5% strain)	ASTM D4595	lbs/ft (kN/m)	1500 (21.9)	1560 (22.8)
			Minimum Roll Value	
Flow Rate	ASTM D4491	gal/min/ft <sup>2</sup> (l/min/m <sup>2</sup> )	60 (2444)	
Permittivity	ASTM D4491	sec <sup>-1</sup>	0.8	
			Maximum Opening Size	
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	30 (0.600)	
			Minimum Test Value	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	80	

Physical Properties	Unit	Roll Size
Roll Dimensions (width x length)	ft (m)	15 x 300 (4.5 x 91)
Roll Area	yd <sup>2</sup> (m <sup>2</sup> )	500 (418)

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FGS000008  
ETQR42



# Mirafi<sup>®</sup> HP570



Mirafi<sup>®</sup> HP570 geotextile is composed of high-tenacity polypropylene yarns, which are woven into a network such that the yarns retain their relative position. Mirafi<sup>®</sup> HP570 geotextile is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

TenCate Geosynthetics Americas is accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP). [NTPEP Listed](#)

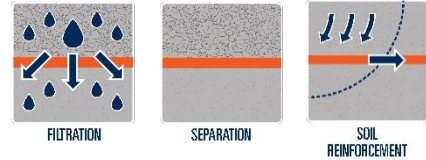
Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Tensile Strength (at ultimate)	ASTM D4595	lbs/ft (kN/m)	4800 (70.0)	4800 (70.0)
Tensile Strength (at 5% strain)	ASTM D4595	lbs/ft (kN/m)	2400 (35.0)	3000 (43.8)
			Minimum Roll Value	
Flow Rate	ASTM D4491	gal/min/ft <sup>2</sup> (l/min/m <sup>2</sup> )	30 (1222)	
Permittivity	ASTM D4491	sec <sup>-1</sup>	0.5	
			Maximum Opening Size	
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	30 (0.60)	
			Minimum Test Value	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	80	

Physical Properties	Unit	Roll Size
Roll Dimensions (length x width)	ft (m)	15 x 300 (4.5 x 91)
Roll Area	yd <sup>2</sup> (m <sup>2</sup> )	500 (418)

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# Mirafi® HP665

Mirafi® HP665 is composed of high-tenacity monofilament polypropylene yarns, which are woven into a stable network such that the yarns retain their relative position. Mirafi® HP665 geotextile is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids

TenCate Geosynthetics Americas Laboratories are accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP).

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Wide Width Tensile Strength	ASTM D4595	lbs/ft (kN/m)	5400 (78.8)	7500 (109.4)
Wide Width Tensile Strength 5%	ASTM D4595	lbs/ft (kN/m)	1200 (17.5)	4200 (61.3)
			Minimum Roll Value	
Permittivity	ASTM D4491	sec <sup>-1</sup>	0.26	
Flow Rate	ASTM D4491	gal/min/ft <sup>2</sup> (l/min/m <sup>2</sup> )	20 (815)	
			Maximum Opening Size	
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	40 (0.425)	
			Minimum Test Value	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	70	

Physical Properties	Unit	Roll Size / Weight
Roll Dimensions (width x length)	ft (m)	15 x 300 (4.5 x 91)
Roll Area	yd <sup>2</sup> (m <sup>2</sup> )	500 (418)

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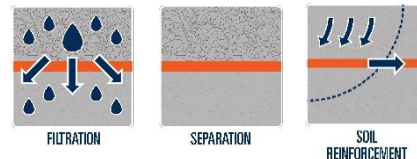
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FGS000102  
ETQR29



GAI-LAP-25-97



# Mirafi® HP770

Mirafi® HP770 geotextile is composed of high-tenacity polypropylene yarns, which are woven into a network such that the yarns retain their relative position. Mirafi® HP770 geotextile is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

TenCate Geosynthetics Americas is accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP).

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Tensile Strength (at ultimate)	ASTM D4595	lbs/ft (kN/m)	7200 (105.1)	5760 (84.0)
Tensile Strength (at 5% strain)	ASTM D4595	lbs/ft (kN/m)	3600 (52.5)	3600 (52.5)
			<b>Minimum Roll Value</b>	
Flow Rate	ASTM D4491	gal/min/ft <sup>2</sup> (l/min/m <sup>2</sup> )	65 (2648)	
Permittivity	ASTM D4491	sec <sup>-1</sup>	0.9	
			<b>Maximum Opening Size</b>	
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	20 (0.85)	
			<b>Minimum Test Value</b>	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	80	

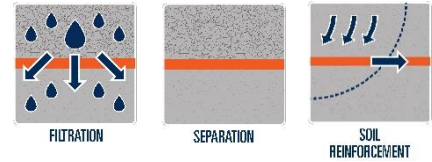
Physical Properties	Unit	Roll Size / Weight
Roll Dimensions (width x width)	ft (m)	15 x 300 (4.5 x 91)
Roll Area	yd <sup>2</sup> (m <sup>2</sup> )	500 (418)

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# Mirafi® HP770PET



Mirafi® HP770PET geotextile is composed of high tenacity polypropylene yarns in the machine direction and high tenacity polyester multifilament yarns in the cross-machine directions which are woven into a stable network such that the yarns retain their relative position. Mirafi® HP770PET geotextile is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

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Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Tensile Strength (at ultimate)	ASTM D4595	lbs/in (kN/m)	600 (105.1)	800 (140.1)
Tensile Strength (at 5% strain)	ASTM D4595	lbs/in (kN/m)	300 (52.5)	350 (61.3)
<b>Minimum Roll Value</b>				
Permittivity	ASTM D4491	sec <sup>-1</sup>	0.7	
Water Flow	ASTM D4491	gal/min/ft <sup>2</sup> (l/min/m <sup>2</sup> )	55 (2241)	
<b>Maximum Opening Size</b>				
Apparent Opening Size (AOS)	ASTM D4751	US Sieve (mm)	30 (0.60)	
<b>Minimum Test Value</b>				
UV Resistance (at 500 hours) (MD)	ASTM D4355	% strength retained	70	
UV Resistance (at 250 hours) (CD)	ASTM D4355	% strength retained	50	
<b>Physical Properties</b>		<b>Unit</b>	<b>Roll Size</b>	
Roll Dimensions (width x width)		ft (m)	15 x 300 (4.5 x 91)	

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