



DATA SHEET No. ICO1818  
Rev. 10/08

**Monarflex**  
Geomembranes



## PRODUCT DATA SHEET

# Blackline 500

## Containment Lining

<u>Tested for</u>	<u>Value</u>	<u>Test Methods</u>
Raw Material	LDPE (Low Density Polyethylene)	
Density	0.929 gr/cm <sup>3</sup>	DIN 53 479 D
Melt Index	0.9 gr/10min	ASTM D1238
Tensile Stress at Break		
Machine Direction	18.1 N/mm <sup>2</sup>	ASTM D638
Transverse Direction	17.7 N/mm <sup>2</sup>	ASTM D638
Elongation at Yield		
Machine Direction	147%	ASTM D638
Transverse Direction	118%	ASTM D638
Elongation at Break		
Machine Direction	540%	ASTM D638
Transverse Direction	610%	ASTM D638
Tensile Stress at Yield		
Machine Direction	8.9 N/mm <sup>2</sup>	ASTM D638
Transverse Direction	7.8 N/mm <sup>2</sup>	ASTM D638
Tear Resistance		
Transverse Direction	166 N/mm <sup>2</sup>	DS/ISO 6383/1-85
Seam Strength	>=Stress at Yield	
Low Temperature	Brittleness temperature -30°C	ISO 974 - 1980
Friction Capability		
Static Dry Gravel	0.6	DIN-53 375 - 1986
Static Wet Gravel	0.68	DIN-53 375 - 1986
Dynamic	Static	DIN-53 375 - 1986
<b><u>Product Name</u></b>	<b><u>500TFS</u></b>	
Thickness	0.5mm	
Tensile Strength (KN/m)	8.9	
Puncture Resistance	At	
Puncture (N)	At 180	
Penetration (N)	248	
Puncture Resistance (gr)	-	