



JUNIFOL HDPE CE

JUNIFOL – HDPE (Smooth) is a high-density polyethylene membrane, for use in accordance with harmonised standards:

- **BS EN 13361:** Characteristics required for use in the construction of reservoirs and dams.
- **BS EN 13362:** Characteristics required for use in the construction of canals.
- **BS EN 13492:** Characteristics required for use in the construction of liquid waste disposal sites, transfer stations, or secondary containment.
- **BS EN 13493:** Characteristics required for use in the construction of solid waste storage and disposal sites.
- **BS EN 15382:** Characteristics required for use in the construction of transportation infrastructure.

Handling

Roll Weights can be in excess of 200kg and hence appropriate care and equipment is required for unloading and handling

Installation

JUNIFOL HDPE should be installed in accordance with the product installation guide.

Thickness	1.0 mm or 1.5 mm or 2.0 mm or 2.5 mm or 3.0 mm
Width	5.1 m or 8.0 m
Density	0.942 g/cm ³

TITANTECH®

For developers of brownfield and contaminated sites the TITANTECH® family of products represent a major step forward in safeguarding projects against gaseous and chemical contamination.



JUNIFOL HDPE CE

Feature	Characteristic	Test Method	JUNIFOL HDPE CE Thickness				
			1.0 mm	1.5 mm	2.0 mm	2.5 mm	3.0 mm
Material Properties	Material	DSC Analysis	High Density Polyethylene (HDPE)				
	Surface		Smooth/Smooth [G/G]				
	Width	EN 1848-2	5.1 m or 8.0 m				
Physical Properties	Thickness	EN 1849-2	1.0 (±10%) mm	1.5 (±10%) mm	2.0 (±10%) mm	2.5 (±10%) mm	3.0 (±10%) mm
	Density	EN ISO 1183	≥0.942 g/cm ³				
	Dimensional Stability	EN 1107-2	±2 %				
Hydraulic Properties	Permeability to Liquids	EN 14150	< 1.0 x 10 ⁻⁶ m ³ /(m ² .d)				
	Gas Permeability	ASTM D 1434	< 6.03 x 10 ⁻³ mol/(m ² .d)				
Mechanical Properties	Tensile Strength (MD/CMD)	EN ISO 527-1,3 Specimen type 5 Velocity 100mm/min	32/32 (>28/28) N/mm ²				
	Elongation (MD/CMD)		800/800 (>700/700) %				
	Strength at yield (MD/CMD)		18/18 (>12/12) N/mm ²				
	Elongation at yield (MD/CMD)		12/12 (>10/10) %				
	Puncture Resistance	EN ISO 12236	3.2 (2.7) kN	4.3 (3.7) kN	5.0 (4.5) kN	6.0 (5.5) kN	6.0 (5.5) kN
	Tear Strength (graves)	ISO 34-1	130 (120) 112 (150) N/mm(N)	130 (120) 168 (155) N/mm(N)	130 (120) 224 (210) N/mm(N)	130 (120) 279 (265) N/mm(N)	130 (120) 336 (315) N/mm(N)
	Frictional Characteristics (Direct Shear)	EN ISO 12957-1	22 (G) Vs Standard Sand degree				
Thermal Properties	Foldability at Low temperature	EN 495-5	-30°C				
	Linear thermal expansion coefficient	ASTM D 696	2.0 x 10 ⁻⁴ mm/(mm.K)				

JUTA UK

Please contact JUTA
UK Directly for more
information on JUNIFOL
HDPE

Storage

Rolls of JUNIFOL HDPE should be stored on stable/level ground and stacked not more than five rolls high, with no other material stacked on top. The rolls can be stored outdoors when packaged but should be protected from exposure to UV.

Jointing and Sealing

JUNIFOL HDPE should be jointed and sealed in accordance with the product installation guidelines.