

JUNIFOL PEHD geosynthetic barriers

Characteristic	Test method	Unit	Products					
			JUNIFOL PEHD 2,0			JUNIFOL PEHD 2,5		
Material	DSC analysis		PE-HD					
Surface ¹⁾			G/G	G/Sa	Sa/Sa	G/G	G/Sa	Sa/Sa
PHYSICAL PROPERTIES								
Thickness ²⁾	EN 1849-2	mm	2,0			2,5		
Density ³⁾	EN ISO 1183	g/cm ³	0,950			0,950		
Width ⁴⁾	EN 1848-2	m	8,0			8,0		
Length ⁴⁾	EN 1848-2	m	120	80	75	100	70	70
Flatness	EN 1848-2	mm	< 50			< 50		
Straightness	EN 1848-2	mm	< 10			< 10		
Melt mass-flow rate	EN ISO 1133 (190 °C, 5 kg)	g/10 min.	1,0			1,0		
Dimensional stability	DIN 53377, EN ISO 14632 (6 h, 100 °C)	%	< 1,5			< 1,5		
HYDRAULIC PROPERTIES								
Permeability to liquids	EN 14150	m ³ /(m ² .d)	< 1.10⁻⁶					
MECHANICAL PROPERTIES								
Strength at yield	EN ISO 527-1,3 Specimen Type 5 Velocity 100 mm/min	MPa	18			18		
Elongation at yield		%	11			11		
Elongation at rupture		%	800			800		
Tensile strength		MPa	30			30		
Puncture resistance (CBR test)	EN ISO 12236	kN	5,0			6,0		
Tear strength	DIN 53515	N/mm	130			130		
THERMAL PROPERTIES								
Foldability at low temperature	EN 495-5	°C	without cracks at - 20 °C					
DURABILITY AND CHEMICAL RESISTANCE								
OIT	ASTM D 3895 (200 °C)	min.	> 60					
Resistance to weathering	EN 12224		to be covered within 1 year, durable and resistant for at least 25 years					
Resistance to oxidation	EN 14575		reduction of tensile strength and elongation: < 25 % of original values					
Stress crack resistance	ASTM D 5397	h	≥ 336					
OTHER PROPERTIES								
Carbon black content	EN ISO 11358	%	2,0 - 2,5					
Carbon black dispersion	ASTM D 5596	category	1 or 2					

¹⁾ G/G - both sides smooth G/Sa - one side structured Sa/Sa - both sides structured
²⁾ tolerance 0/+10 % ³⁾ tolerance ± 10 % ⁴⁾ tolerance ± 1 %

Above mentioned data are of informative character only. The manufacturer reserves the right to alter the specifications without prior notice. It is the responsibility of all customers to reassure themselves that the above specifications are current.

manufactured by

