Specialist Geomembranes

Technical Data Sheet

Landflex™ EP75, EP100, EP120, EP150

The information herein is based upon data obtained by the manufacturer and is considered accurate. No warranty is expressed or implied regarding the accuracy of this data. This information is furnished upon the condition that the person receiving it shall evaluate its suitability for the specific application.

Physical Properties	Unit	0.75mm ±0.1mm	1.00mm ±0.1mm	1.20mm ±0.1mm	1.50mm ±0.1mm	Test Methods
Rolls are prefabricated into customer adapted panels						
Thickness (nominal)	%	±10	±10	±10	±10	ASTM D5199
Hardness	°IRH	65±5	65±5	65±5	65±5	S-ISO 48
Density (Elastoseal/EPDM)	g/cm³	1.2±0.05	1.2±0.05	1.2±0.05	1.2±0.05	ASTM D792
Modulus at 100% Elongation	N/mm		>2.8	>3.4	>4.2	SS-ISO 37
Mechanical Properties						
Tensile Strength	N/mm		7.5	9	11	ASTM D412 D882 SS-ISO 37
Wide Width Tensile Strength	N/mm	6.2	6.4	7.0		ASTM D4885 EN ISO 10319
Wide Width Tensile Strain	%	160	180	250		ASTM D4885 EN ISO 103619
Elongation at Break	%	320	320	320	320	ASTM D882 SS-ISO 37
Tear Resistance	N		30	40	50	ASTM D1004
Tear Resistance	N		40	50	60	SS-ISO 34
Multiaxial Stress	kPa	1100	1350	1600		ASTM D5617
Multiaxial Strain	%	130	130	130		ASTM D5617
Hydrostatic Burst	kPa	350	450	480		ASTM D751 A
Puncture Resistance						
Flat Tip Rod	N	100	140	165		ASTM D4833
Radius Rod	N	95	135	140		FTMS 101C/2065
Sharp Point	N	340	470	560		FTMS 101C/2031
Pyramid	N			111		ASTM D5494
CBR Piston	N	600	750	850		ASTM D6241 EN ISO 12236
CBR Piston Strain at Yield	%	250	250	250		ASTM D6241 EN ISO 12236
Hydrostatic Puncture Resistance	kPa	600	600	600		ASTM D5514 method B
Critical Cone Height	mm	90	90	90		ASTM D5514 methdod B
Low Temp Impact (-40C)						
Impact Energy	Joule				>159	CGSB 148.1-113
Dimensional Stability	%	±1	±1	±1	±1	ASTM D1204
Brittle Point	°C	-63	-63	-63	-63	ISO 812
Hydraulic Burst	kPa			600		ASTM D3786



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