



### KRITIFLEX BLACK 6090 GEOMEMBRANE Flexible Polypropylene (FPP) geomembrane

PROPERTY	TEST METHOD	AVERAGE VALUES				
		0.30mm	0.50mm	0.60mm	0.75mm	1.0mm
THICKNESS (mm)	EN 1849-2	0.30	0.50	0.60	0.75	1.0
MASS PER UNIT (g/m <sup>2</sup> )	EN 1849-2	285	450	540	670	900
CARBON BLACK CONTENT (%)	ASTM D4218	2-3	2-3	2-3	2-3	2-3
DENSITY OF MEMBRANE (g/cm <sup>3</sup> )	ASTM D 792	0.90-0.92	0.90-0.92	0.90-0.92	0.90-0.92	0.90-0.92
MELT FLOW INDEX (gr/10min.230°C/2.16kg)	ASTM D 1238	0.6	0.6	0.6	0.6	0.6
TENSILE STRENGTH AT BREAK MD (MPa)	EN ISO 527-1/3/5	24	24	24	24	24
TENSILE STRENGTH AT BREAK TD (MPa)	EN ISO 527-1/3/5	19	19	19	19	19
ELONGATION AT BREAK MD (%)	EN ISO 527-1/3/5*	900	900	900	900	900
ELONGATION AT BREAK TD (%)	EN ISO 527-1/3/5*	900	900	900	900	900
STATIC PUNCTURE (N)	EN ISO 12236	330	550	660	825	1100
PUNCTURE RESISTANCE (N)	ASTM D 4833	70	115	128	170	200
TEAR RESISTANCE (N)	ISO 34-1b	25	30	35	45	60
OXIDATIVE INDUCTION TIME (min)	ASTM D 3895	≥ 100	≥ 100	≥ 100	≥ 100	≥ 100
WATER TIGHTNESS (m <sup>3</sup> /(m <sup>2</sup> /d))	EN 14150	<10 <sup>-6</sup>	<10 <sup>-6</sup>	<10 <sup>-6</sup>	<10 <sup>-6</sup>	<10 <sup>-6</sup>

\*Tensile properties : 100mm / min / 50mm Gauge Length



EN ISO 9001:2008, No : 20 100 12200776402  
OHSAS 18001:2007, No : 20 116 12200776502



1213 - CPD - 4480

P.O Box 1093, 711 10 Iraklion Crete Greece  
Tel:+30 2810 308500 Fax:+30 2810 381328  
Email : rnd@plastikakritis.com