



1213 - CPD - 4479

**KRITIFLEX BLACK 6070 / 2500**

HDPE / Smooth surface



**PLASTIKA KRITIS SA**

P.O. BOX 1093, GR 71110 HERAKLION - CRETE GREECE

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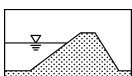
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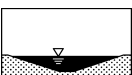
**Polymeric Geosynthetic Barrier for use in the construction of :**



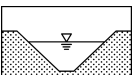
- solid waste storage and disposal sites (Annex ZA of EN 13493)



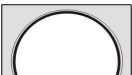
- reservoirs and dams (Annex ZA of EN 13361)



- liquid waste disposal sites, transfer stations or secondary containment  
(Annex ZA of EN 13492)



- canals (Annex ZA of EN 13362)



- tunnels and underground structures (Annex ZA of EN 13491)



Intended use: fluid (gas/liquid) barrier

**Harmonized Characteristics:**

Tensile strength (EN ISO 527-1/3/4), (MD & CMD)	32 MPa (-6 MPa)	
Static Puncture (EN ISO 12236)	7,2 kN (-0,72 kN)	
Water tightness (EN 14150)	$<10^{-6}$	$m^3/(m^2d)$
Gas tightness (ASTM D 1434)	$11.5 * 10^{-9}$	$mol/(m^2s)$

Testing of the weathering resistance on site (water reservoir), resulted that mechanical properties do not change after 13 years exposure.

The product can be exposed up to 13 years.

Testing of the oxidation resistance acc. to EN 14575 resulted that mechanical properties, did not change more than 1% ( test report no 82107/08-9 from 1st December 2008)

Testing the resistance against environmental stress cracking acc. EN 14576 showed no failure within 300 hr.

The polymeric geosynthetic barrier is durable in natural soil  $4 < pH < 9$  and soil temperature  $< 25^{\circ}C$  for a minimum of 25 years service life

**Non Harmonized Characteristics:**

Carbon Black Content (ASTM D 4218)	2 - 3 (%)
Density (ASTM D 792)	0.945 (gr/cm <sup>3</sup> )
Tear Resistance (ISO 34-1b) (MD & CMD)	$\geq 310$ (N)
Puncture resistance (ASTM D 4833)	$\geq 800$ (N)
Mass per Unit (EN 1849-2)	$2360 \pm 3\%$ (g/m <sup>2</sup> )
O.I.T (ASTM D 3895)	$> 100$ (min)