

HAB HD Geomembrane (available from 0.7 - 3 mm)

HAB HD Geomembrane is a smooth high density polyethylene (HDPE) geomembrane manufactured with the highest quality resin specifically formulated for flexible geomembrane

Product Specification

Tested Property	Unit	Tested Method	Values				
Thickness	mm	ASTM D 5199	0.75	1	1.5	2	2.5
Density	g/cm ³	ASTM D 792	≥0.940	≥0.940	≥0.940	≥0.940	≥0.940
Tensile Properties		ASTM D 638/D 6693 Type IV					
Strenght at Yield	N/mm	50mm/min	11	15	22	29	37
Elongtion at Yield	%	Io=33mm	12	12	12	12	12
Strenght at Break	N/mm	200mm/min	20	27	40	53	67
Elongation at Break	%	Io=50mm	700	700	700	700	700
Tear Resistance	N	ASTM D 1004	93	125	187	249	311
Puncher Resistance	N	ASTM D 4833	240	320	480	640	800
Carbon Black Content	%	ASTM D 1603	2.0-3.0	2.0-3.0	2.0-3.0	2.0-3.0	2.0-3.0
Carbon Black Dispersion	Category	ASTM D 5596	note (c)	note (c)	note (c)	note (c)	note (c)
Melt Flow Index	g/10 mir	ASTM D 1238 (190°C / 2.16 Kg)	≤ 1	≤ 1	≤ 1	≤ 1	≤ 1
Stress Crack Resistanse(NCTL)	h	ASTM D 5397	≥ 400	≥ 400	≥ 400	≥ 400	≥ 400
Oxidative Induction Time(OIT)	min	ASTM D 3895	≥ 100	≥ 100	≥ 100	≥ 100	≥ 100
Oven Aging at 85°C Standards OIT (min.ave)-%retained after 90 days	%	ASTM D 3895	55	55	55	55	55
Reference Property							
Roll Width (available)	M		6.9 - 7.5				
Roll Length	M		50 - 200				
Surface			Double- sided smooth				

NOTES:

(a): All values unless otherwise noted are nominal values.

(b): Tolerance ± 10%

(c):Dispersion only applies to near speical agglomerates . 9 of 10 views shall be category 1 or 2 Nomore than view from category 3.

(d): Roll widths and lengths have a tolerance of ± 1 % .

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