

# Geomembranes



## Product Description: HDPE "Super Seal" Geomembrane – smooth (C541)



**Film usage** Geomembrane      **Width** Up to 16 meter      **Length** As required

Property	Test Method ASTM	Units	Test values			
Thickness	D 5199	mm	0.75	1.0	1.5	2.0
Density (min.)	D 1505	g/cm <sup>3</sup>	0.945	0.945	0.945	0.945
Tensile properties	D 6693 Type IV					
Yield strength - min.		kN/m	12	16	24	30
Break strength - min.		kN/m	21	28	42	54
Yield elongation - min.		%	12	12	12	12
Break elongation - min.		%	700	700	750	750
Tear resistance - min.	D 1004	N	94	126	190	250
Puncture resistance - min.	D 4833	N	250	330	500	500
Stress crack resistance	D 5397	hr	500	500	500	500
Carbon black content - min.	D 4218	%	2.0	2.0	2.0	2.0
Carbon black dispersion	D 5596	Cat.	1	1	1	1
Oxidative induction time (OIT) - standard	D 3895	min.	>100	>100	>100	>100
Oxidative induction time (HP-OIT) - high pressure	D 5885	min.	>400	>400	>400	>400

\* Tests are performed according to GRI Test method - GM 13 and comply with standard requirements

KLY - Klanglely: 1Klanglely=1Kcl/cm2: Unit of sun radiation at ground level.

