AZUL PACK TECH GROUND

EcoTech White HDPE SMOOTH **0,80 mm**

EcoTech HDPE SMOOTH geomembrane series is manufactured by a Blown Film process which uses resins produced under world class quality controls and international standards.
EcoTech White, is composed of high molecular weight virgin resins and stabilized with the best additives on the market, receives in its surface layer a white pigmentation, giving it excellent landscape integration.
This Geomembrane has as main benefit, due to its coloring, less dilation when exposed, reducing the amount of wrinkles and providing improvements to the application process.

Available sizes	
Width (m)	**Lenght (m)**
5,90	100

PROPERTIES	TEST METHOD	UNITY	0,80 mm 31,5 mils	TESTING FREQUENCY
Thickness (min.ave.) Lowest individual of 10 values	ASTM D5199	mm	Nominal -10%	Per roll
Formulated Density (min.)	ASTM D1505/D792	g/cm³	0,94	90,000 kg
Tensile Properties - Yield Strength (min.ave.)	ASTM D6693 Type IV	kN/m	8	9,000 kg
Tensile Properties – Yield elongation (min.ave.)	ASTM D6693 Type IV	%	12	
Tensile Properties – Break strength (min.ave.)	ASTM D6693 Type IV	kN/m	18	
Tensile Properties – Break elongation (min.ave.)	ASTM D6693 Type IV	%	700	
Tear resistance (min.ave.)	ASTM D1004	N	77	20,000 kg
Puncture resistance (min.ave.)	ASTM D4833	N	256	20,000 kg
Stress Crack Resistance (min.)	ASTM D5397	h	500	GM 10 (GRI)
Carbon Black Content	ASTM D1603	%	2 - 3	9,000 kg
Carbon Black Dispersion	ASTM D5596	-	Note (2)	20,000 kg
Oxidative Induction Time Standard OIT (min.ave) High Pressure OIT (min.ave.)	ASTM D3895 ASTM D5885	min	100 400	90,000kg
Oven Aging * Standard OIT (min.ave) High Pressure OIT (min.ave.)	ASTM D5721 ASTM D3895 ASTM D5885	%	55 80	PER EACH FORMULATION
UV Resistance ** Standard OIT (min.ave.) High Pressure OIT (min.ave.)	ASTM D7238 ASTM D3895 ASTM D5885	%	Note (3) 50	PER EACH FORMULATION

(1) Value set for the black layer of the material
(2) Dispersion of Smoke Black to 10 different specimens: 9 specimens in categories 1 and 2; 1 test body in category 3
(3) Not recommended due to the high temperature of the Standard ILO test produce unrealistic results for some of the antioxidants of exposed UV samples
Obs: Roll tolerable variation in width and lenght: ±2%
* (Retained after 90 days)
** (Retained after 1.600hrs)