



Technical Data Sheet*

Greenshield 0.5

Polyethylene sheet

Description and applications

Recycled polyethylene sheet used for geotechnical purposes, isolation (water, gas, thermic and acoustic), layers separation and material demarcation.

Properties	Method	Typical value	Unit
Thickness	ASTM D-5199	0.52	mm
Melt Flow Rate (190°C/2.16kg)	ASTM D1238	0.3-0.5	g/10min
Density	ASTM D792	0.93-0.945	g/cm ³
Ash content	ISO3451-1	< 1%	%
Melting Point (DSC)	ISO11357-3	111-115	°C
Puncture resistance	ASTM D-4833	195.2	N
Tear resistance	ASTM D-1004	47.1	N
Tensile properties	ASTM D-6693		
Break elongation		800	%
Break strength		8.3	kN/m
Yield elongation		59	%
Yield strength		4.4	kN/m

***Disclaimer:** The data included above relies on the data of the recycled products at their original form. Due to changes that may occur in their implementation processes, as well as additives consumption and/or the existence of other manipulations made by the end user, the actual material characteristics may be significantly diverse. It is the costumer sole discretion to determine if the product is suitable for his applications and uses.

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