

# SHOUMAN



## HDPE Geomembrane 1 mm

Property	Test Method	Unit	Value
<b>Thickness</b>			
minimum average	ASTM D 5199	mm	1
Lowest Individual		%	- 10
<b>Density</b> (min. avg.)	ASTM D 1505	g/cm <sup>3</sup>	≤ 0.940
<b>Tensile Properties</b>			
Strength at Break	ASTM D - 6693	N/mm <sup>2</sup>	40
Elongation at Break		%	700
<b>Tear Resistance</b> (min. avg.)	ASTM D 1004	N	130
<b>Puncture Resistance</b> (min. avg.)	ASTM D 4833	N	350
<b>Stress Crack Resistance</b>	ASTM D 5397	hrs.	≥ 400
<b>Carbon Black Content</b>	ASTM D 4218	%	2.0 - 3.0
<b>Oxidation Induction Time</b> (OIT-Standard)	ASTM D 3895	Min.	100
<b>Dimensional Stability</b>	ASTM D 1204	%	± 2
<b>UV Resistance -</b> <i>% retained after 1600 hours</i>	GRI-GM 11		

### Note:

The above information obtained from analysis performed in our labs and was based on reliable and standard laboratory testing procedures. The information contained herein is to be used only as guide for using our film. SHOUMAN does not offer any guarantee on the results and does not accept any liability arising out of the use of the information contained herein.

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