



## SANAYE VARAQ IRAN(SVI)

### SPECIFICATION DATA SHEET HDPE GEOMEMBRANE

<i>PROPERTY</i>	<i>TEST METHOD</i>	<i>UNIT</i>	<i>VALUE</i>	<i>VALUE</i>	<i>VALUE</i>
Thickness	ASTM D5199	mm	1	1.5	2
Density	ASTM D792	gr/cm <sup>3</sup>	0.95	0.95	0.95
Carbon Black Content	ASTM D1603	%	2-3	2-3	2-3
Oxidative Induction Time (OIT)	ASTM D3895-07	min	≥100	≥100	≥100
Melt Flow Index(MFI) 190°C/5Kg	ASTM D1238	Gr/10 min	0.37	0.37	0.37
Strength@ Yield	MD	kN/m	14	25.11	29.22
	TD		15.18	26	30.8
Elongation@Yield	MD	%	15	14	12
	TD		12	12	11.8
Strength@ Break	MD	kN/m	25	27	47.79
	TD		24	27	52.94
Elongation@Break	MD	%	730	560	720
	TD		760	680	780
Tear Resistance	MD	N	143	246	348.21
	TD		134	225	358.4

MD: Machine Direction  
TD: Transverse Direction

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