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SPECIFICATION OF SANGIR HDPE GEOMEMBRANE

Property	Test Method	Unit	IPL 0.75	IPL 1.0	IPL 1.5	IPL 2.0
			Minimum va	Minimum va	Minimum va	Minimum value
Thickness	ASTM D 5199	mm	0.75	1	1.5	2
Density @270C	ASTM D 792	gms/cc	0.94	0.94	0.94	0.94
Melt flow index @1900C/5Kg	ASTM D 1238,	Gms/10 min	<1.0	<1.0	<1.0	<1.0
Tensile properties	ASTM D 638 type IV					
Strength at break		N/mm	21	28	45	57
Strength at yield		N/mm	11	16	25	34
Elongation at break		%	700	700	700	700
Elongation at yield		%	13	13	13	13
Tear resistance	ASTM D 1004	N	100	138	210	275
Carbon black content	ASTM D 1603	%	2	2	2	2
Carbon black dispersion	ASTM D 5596		Satisfactory	Satisfactory	Satisfactory	Satisfactory
Puncture resistance	ASTM D 4833	N	265	320	480	640
Width		mm	1500	1500	1500	1500