

Technical Data Sheet

Product : PVC - SVI



Waterproofing Dep.

Designation of Test	Test Method	Value	Unit	Conditions
Thickness	ASTM D5199	2	mm	@T=23°C
Tensiomeric Module 100%min	MD	≥ 14	KN/m	@T=23°C Humidity =45% Rate= 50 mm/min
	TD	≥ 14		
Break Strength	MD	≥ 30		
	TD	≥ 30		
Break Elongation	MD	≥ 300	%	
	TD	≥ 300		
Uniaxial Tension	SIA 280	290	%	
Tear strength	ASTM D1004	140	N	
Hardness	DIN 53505	80	----	Shore A
Low Temperature Folding	SIA 280	290	----	
Heat Distortion	SIA 280	-0.86% No Blisters	%	
Behavior in Water (one month)	SIA 280	0.56% change of Mass	%	
fire Class	SIA 280	Class IV	----	
Smoke Class	SIA 280	Class I	----	
Joint Strength	SIA 280	FTB*	----	
Dimensional Stability	ASTM D1204	1	%	@T=100°C 1 hour
Water Extraction	ASTM D1239	0.03	%	@T=100°C 24 hour
Heat ageing	SIA 280	-0.42%Change of Mass -28%Change of Elongation	%	@T=70°C 70 Days
Dimensions	Length	15.15	m	
	Width	1.63	m	
*FTB: Film Tear Bonded (Failure of joint outside of Weld Track)				
MD: Machine Direction				
TD: Transverse Direction				
Certificate	ABM and Metra			
MAIN ADVANTAGES	Excellent weldability, Includes a signal layer, High resistance to attack by microorganisms and perforation by roots			
Usage Application	Tunnels and buried galleries, Cut and cover tunnels, Underground works, Coverings of buried structures and Underground car parks			
Category According to BS 8102 (2009)	Type A <input checked="" type="checkbox"/>	Type B <input type="checkbox"/>	Type C <input type="checkbox"/>	

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