

Product Data Sheet

Sarnafil G 476-20

Property	Unit	Value	Standard
Raw material		PVC-P	
Color	. Surface	red	
	. Back side	dark grey	
Dimensions	. Width	m 2.0	
	. Thickness	mm 2.0	DIN 16 726
	. Length of standard roll	m 15	
	. Weight	kg/m ² 2.60	DIN 53 352
Density		g/cm ³ 1.28	DIN 53 479
Tensile strength		N/mm ² 10.0	DIN EN ISO 527-3/5 (DIN 53 455)
Elongation at break		% 250	DIN EN ISO 527-3/5 (DIN 53 455)
Low temperature bending		°C -20	SIA V 280/3 (DIN 53 361)
Dimensional stability at elevated temperature (6h/80°C)		% 0.0	DIN 53 377
Water vapour permeability		mg/m ² hPa 2.8 x 10 ⁻²	SIA V 280/6
Air layer thickness equivalent to diffusion		m 26.0	SIA V 280/6
Vapour diffusion resistance factor (μ)		13000	SIA V 280/6
Thermal ageing (70d/70°C)			DIN 16 726
	. change of mass	% req. met	
	. change of elongation at break	% req. met	
Water immersion (8 month 50 °C)			DIN 53 495
	. change of mass	% req. met	
	. visible changes	none	
	. low temperature bending	°C -20	
	. change of elongation at break	% req. met	
Impact strength		mm 850	DIN 16 726 / 5.12
Resistance to microorganisms			SIA V 280/17 (DIN 53 739)
	. change of mass	% req. met	
Joint strength (lap shear)	. hand welded seam	req. met	DIN 16 726 / 5.7
	. hot wedge welded seam	req. met	DIN 16 726 / 5.7
Linear thermal expansion coefficient		1/K 16 x 10 ⁻⁶	EMPA
Root resistance		req. met	DIN 4062 / 4.7
Fire classification		B2	DIN 4102 part 1

SIA = Swiss Engineer and Architect Association
 DIN = German Industrial Standard
 EN = European Standard
 ISO = International Standards Organization
 EMPA = Swiss Federal Institute for Materials Testing



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