

# Product Data Sheet

## Sarnafil G 410-12 EL Felt

Property	Unit	Value	Standard
Raw material		PVC-P	
Color	. Surface	light grey	
	. Back side	dark grey	
Dimensions	. Width	m 2.0	
	. Thickness	mm 1.2 + felt	DIN 16 726
	. Length of standard roll	m 20	
	. Weight	kg/m <sup>2</sup> 1.80	DIN 53 352
Density	g/cm <sup>3</sup>	1.28	DIN 53 479
Tensile strength	N/mm <sup>2</sup>	9.0	DIN EN ISO 527-3/5 (DIN 53 455)
Elongation at break	%	200	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 <sup>2</sup> hPa	4.0 x 10 <sup>-2</sup>	SIA V 280/6
Air layer thickness equivalent to diffusion	m	18.0	SIA V 280/6
Vapour diffusion resistance factor (μ)		15000	SIA V 280/6
Thermal ageing (70d/70°C)	. change of mass	% req. met	DIN 16 726
	. change of elongation at break	% req. met	
Artificial weathering (UV A)	h	req. met	SIA V 280/10
Water immersion (8 month 50 °C)	. change of mass	% req. met	DIN 53 495
	. visible changes	none	
	. low temperature bending	°C -20	
	. change of elongation at break	% req. met	
Permanent compression strength	N/mm <sup>2</sup>		SIA V 280/14
Impact strength	mm	500	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 <sup>-6</sup>	EMPA
Root resistance		req. met	DIN 4062 / 4.7
Fire classification		B2	DIN 4102 part 1
		15° EPS, Bitumen	DIN 4102 part 7

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



**Sarnafil International AG**  
 Industriestrasse  
 CH-6060 Sarnen  
 Tel +41 41 666 99 66  
 Fax +41 41 666 98 99  
 ba-roofing.sfin@sarna.com  
 www.sarnafil.com

All data in our product information are based on our current knowledge and experience. They do not release users from careful testing of the application and strict observation of the relevant processing regulations because of the wide range of possible influences during the application and use of our products. Legally valid assurances of specific characteristics or suitability for special purposes of application other than those provided in our documentation for the specific product cannot be inferred from our information. Any protective rights or existing laws and provisions must be followed by the recipient or processor of our products at their own responsibility. Moreover our general terms and conditions of sale and warranty are valid.