



MIRELON® sealing cord

PEF - EN 14313 - ST(+) 90 - ST(-) -40 - WS 005 - CL 5 - PH 6,5

Thermoinsulating sealing cord from polyethylene foam with closed cell structure

MIRELON® sealing cord is a flexible cord from full polyethylen foam profile for sealing dynamically stressed joints and cracks.

MIRELON® sealing cord is an ideal material for use in expansion joints of cast floors and in window and door frame installation thanks to its properties. Furthermore, it can be used to seal the fillings in the frames between the panel joints and all joints created in the building industry.

MISAPPLICATION:

- Thermal insulation of low and high pressure steam distribution systems
- Outdoor installation without surface protection against weathering and UV radiation
- Installation in places where the ambient temperature exceeds 90°C

Technical data:

- non-laminated design
- lenght: 1,2 to 500 m according to cord diameter (according to EN 14313:2009+A1:2013)
(the total lenght can be divided into several strands)
- diameter: 6 to 70 mm (according to EN 14313:2009+A1:2013)

Color: gray-black

MIRELON® sealing cord – physical properties

Basic characteristics		Properties				Harmonized technical specification	
Thermal resistance	Coefficient of thermal conductivity W/m.K	°C	λ _D	°C	λ _D	EN 14313:2009+A1:2013	
		-20	0,039	20	0,049		
		0	0,044	50	0,057		
		10	0,046	90	0,069		
	Dimensions and tolerations						
		- diameter	6 mm (including)	+/- 1 mm	15 to 30 mm (including)		+/- 2,5 mm
			6 to 10 mm (including)	+/- 1,5 mm	above 30 mm		+/- 4 mm
			10 to 15 mm (including)	+/- 2 mm	X		X
	- sealing cord lenght	L -1,5% + 2,5%					
Reaction on fire	Reaction on fire	E ₁ -s3, d2					
Thermal resistance stability in aging/degradation	Coefficient of thermal conductivity W/m.K	see table above					
	Dimensions and tolerations	see table above					
	Dimension stability	3%					
	Characteristic stability	it does not change					
	Lowest operating temperature	-40°C					
	Highest operating temperature	90°C					
Thermal resistance stability at high temperature	Characteristic stability	it does not change					
	Dimension stability	3%					
	Highest operating temperature	90°C					

NPD – no property has been determined




Basic characteristics		Properties	Harmonized technical specification
Stability of reaction on fire at high temperature	Characteristic stability	it does not change	EN 14313:2009+A1:2013
Stability of reaction on fire in aging/degradation	Characteristic stability	it does not change	
Compressive strength	-	NPD	
Water permeability	Water absorption	WS 005 ($W_p \leq 0,05$)	
Water vapor permeability	Water absorption	NPD	
	Diffusion resistance	NPD	
Release of corrosive substances	Trace amount of soluble ions and pH	CL 5 ($\leq 5 \text{ mg/kg}$), PH 6,5	
Sound absorption index	Structure sound transmission	NPD	
	Sound absorption	NPD	
Release of hazardous substances into internal environment	Release of hazardous substances	NPD	
Burning by incandescent glow	Burning by incandescent glow	NPD	

NPD – no property has been determined

The technical datasheet was drawn up on the basis of the protocols of the notified bodies: no. 1023 (Institut pro testování a certifikaci a.s., třída Tomáše Bati 299, Louky, 763 02 Zlín) a no. 1390 (Centrum stavebního inženýrství a.s., ul. Pražská 16, 102 00 Praha 10).

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1023, 1390			
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POV 10/2024/EN			
EN 14313+A1			
MIRELON® sealing cord Thermal insulation products for use as thermal insulation for equipment, buildings and industrial installation THIBELI			
Coefficient of thermal conductivity W/m.K			
°C	λ_D	°C	λ_D
-20	0,039	20	0,049
0	0,044	50	0,057
10	0,046	90	0,069
reaction on fire		E _t -s3, d2	
diameter		see table below	
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sealing cord diameter 6, 8, 10, 12, 15, 20, 25, 30, 40, 50, 60 a 70 mm			

