

Heat shrink tubular sleeves polyethylene - Series SXR

Technical specification

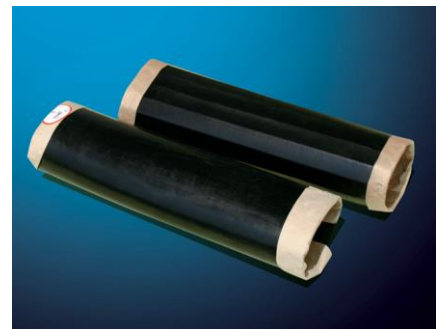
1. Product description

Made using cross-connection method (cross-type fabric), contractile polyethylene sleeves are recommended for application of corrosion protection of welded joints made on site or in the workshop.

Product consists of two layers of ingredients:

1. Inner layer - adhesive softening by heating.
2. Outer layer - polyethylene modified by cross-link.

The advantages of this type of contract is that the sleeves do not require priming surface treatment before application



2. Dimensions (diameter range 2" – 20")

No.	Code	Inner Diameter [mm]	Inner Diameter after application [mm]	Length [mm]	Pipe diameter [mm]
1	SXR 100/45/500	100	2" [60,3 mm]	500	2" [60,3 mm]
2	SXR 130/60/500	130	3" [88,9 mm]	500	3" [88,9 mm]
3	SXR 155/75/500	155	4" [114,3 mm]	500	4" [114,3 mm]
4	SXR 220/100/500	220	6" [168,3 mm]	500	6" [168,3 mm]
5	SXR 270/130/500	270	8" [219,1 mm]	500	8" [219,1 mm]
6	SXR 320/150/550	320	10" [273,0 mm]	550	10" [273,0 mm]
7	SXR 375/180/550	375	12" [323,9 mm]	550	12" [323,9 mm]
8	SXR 440/210/600	440	16" [406,4 mm]	600	16" [406,4 mm]
9	SXR 595/280/600	595	20" [508,0 mm]	600	20" [508,0 mm]

3. Product advantages

The product is tubular , without coupling , and has a shrinkage rate greater than 50 % on flame heating. Product is especially designed to apply corrosion protection to pipes and equipment outside surfaces of revolution (reducers, valves , flanges , etc.). The inner layer have high surface adhesion capacity industrial pipe insulation and polyethylene, epoxy, etc. provide capacity of insulation against corrosion and sealing the joints between the existing insulation and applied heat contractile sleeve.

4. Resistance to aging

Because of the use in the product of cross- link polyethylene , along with hot - melt adhesive , shrink sleeve SXR resistance in class C -50 according to DIN EN 12068 showing a very good high temperature stability of the agent in the pipe and and a low risk of producing cracks .

5. Usage

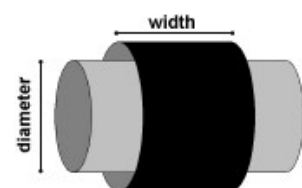
Contractile tubular sleeves is characterized by the application easy advantage that it is not necessary to pre-treat the surface with a protective layer (primer). Sizing pipe diameters products compared with open sleeves and low application temperature 550C-600C, recommend this type of insulation corrosion due to high productivity. The quality of the application can control the process by visual inspection, any corrections can be achieved during installation.

For application, please refer to the specific instructions.

6. Ordering Information

To order the products it is necessary to identify the two dimensions:

1. Pipe diameter in inch or mm
2. Sleeve length in mm (for special orders)



7. Packaging

Products are supplied individually wrapped in polyethylene foil exterior and interior.

8. Warranty and storage

Product warranty is 12 months from the date of delivery thereof when stored in original packaging at a temperature between 0 - 25°C.

It is prohibited storage of products into sunlight or UV radiation even in the original packaging.

9. Technical specification

Basic Material		Measure	Value	Standard
Thickness		mm	≥0,9	ASTM-D 1000
Elongation		%	3.5	ASTM-D 638
Colour		-	black	-
Contraction rate		%	>50	-
Tensile strength		Mpa (psi)	17(2465)	ASTM-D 638
Dialectical resistance		kV	20	ASTM-D 149
Volume resistivity		Ω x cm	>10 ¹⁵	ASTM-D 257
Softening point (Vicat)		°C	>100	ASTM-D 1525
Adhesive/Primer		Measure	Value	Standard
Thickness		mm	min 1,4	ASTM-D 1000
Softening point		°C	115°C	ASTM-E 28
Volume resistivity		Ω x cm	>10 ¹⁰	ASTM-D 257
Saponification value		mg KOH/g	10	DIN EN 12068
Applied system		Measure	Value	Standard
Thickness		mm	min 2,3	ASTM-D 1000
Tensile strength		mm	1,0 (class C-50)	DIN EN 12068
Impact resistance		J	17	DIN EN 12068
Peel strength	23°C	N / cm	60	ASTM-D 1000
			50	DIN EN 12068
	50°C	N / cm	30	ASTM-D 1000
			20	DIN EN 12068
	65°C	N / cm	20	ASTM-D 1000
			10	DIN EN 12068
Shear strength	23°C	N / cm ²	30	ASTM-D 1002
	50°C		7	ASTM-D 1002
	65°C		5	ASTM-D 1002
Cathodic separation	23°C	mm	8(radius)	ASTM-G 8
	60°C		11(radius)	ASTM-G 42
Insulation resistivity		Ohm x m ²	>10 ¹⁰	DIN EN 12068