

Pyro heat protection



Perfection securing your technical equipment.

The effective protection of cables and hoses in many fields of the chemical industry, aircraft construction and shipbuilding, in petroleum refineries, steel and smelting works, etc.

Material

The products are made of braided, woven or knitted e-glass filament yarn. They are furnished with a special one- or two-sided silicone coating.

Properties

The coating provides ideal protection against molten metal splashes, welding sparks and temporary exposure to flames. Hot media are repelled by the surface, preventing the formation of crusts. The -Pyro product always maintains a high mechanical resistance and good abrasion strength. Thanks to the glass fabric, the material boasts excellent insulation levels. In addition, the silicone coating is highly resistant against most industrial chemicals and hydraulic oils.

Technical Data

(For Pyro hose and Pyro band)

- Overall wall/band thickness approx. 5mm
- Silicone coating thickness approx. 2mm
- Temperature resistance for continuous exposure is approx. 260°C, for 15-20 minutes approx. 1090°C and for 15-30 seconds approx. 1640°C.
- Dielectric strength of the coating 19.1 kV/mm
- The material is free of asbestos and not harmful to health.

We also manufacture complete lines, e.g. for hydraulic and cooling water applications with -Pyro heat protection.

Further certifications provided upon request. Subject to technical changes.



Pyro band type PYB



Pyro mat type PYM



Pyrosilicone band type PYS



Pyro hose type PY



Pyro band type PYB, one side silicone-coated, one side raw. In rolls of 15 or 30 metres.

Order no.	Width (mm)	kg/30-m roll
PYB 25	25	2,7
PYB 50	50	4,5
PYB 75	75	7,3
PYB 100	100	9,5
PYB 125	125	11,8



Pyro hose type PY, inside raw, outside silicone-coated. In rolls of 15 or 30 metres.

Order no.	DN internal Ø (mm)	kg/30-m roll
PY 06	6	3,4
PY 08	8	3,6
PY 10	10	4,5
PY 11	11	5
PY 13	13	5,9
PY 16	16	6,4
PY 19	19	7,7
PY 22	22	8,2
PY 25	25	9,5
PY 29	29	10
PY 32	32	11,8
PY 35	35	13,2
PY 38	38	15
PY 41	41	15,9
PY 44	44	16,4
PY 51	51	18,2
PY 57	57	20
PY 64	64	21,8
PY 70	70	23,2
PY 76	76	27,3
PY 83	83	29,5
PY 89	89	30,9
PY 95	95	32,7
PY 102	102	34,5
PY 114	114	47,7
PY 127	127	52,3



Pyro mat type PYM
In lengths of up to 45 metres.

Order no.	Width (mm)	Weight (g/sqm)	Coating
PYM 915	915	1.085	two-sided
PYM 1525	1.525	1.085	two-sided
PYM 1016	1.016	3.260	one-sided

Approvals (braided designs)	Scope of approval
MSHA IC-258/01	Certified for underground mining applications
SAE AS1072E	Aerospace industry
GL	Temperature resistance of 800°C for 30 min.
VW1	Flame test certified
UL1441 certified	
BS EN 373 and 388	Resistance against molten metal splashes and abrasion
BS EN ISO 6940 and 6530	Resistance against flames and oil
BS 2576	Determination of breaking strength
DIN 54837 / 5510-2	Testing of materials for rail vehicles
DIN 5659-2 / 5510-2	Determination of optical density by a single-chamber test for smoke generation in rail vehicles



Pyro silicone band type PYS, cold-setting assembly aid

Order no.	Width (mm)	Thickness (mm)	Roll length (mm)
PYS 25	25	0,5	11.000
PYS 38	38	1,5	11.000