POHJOLAN YHTYNEET METALLINTUOJAT OY

PYMT OY

Silicone coated sleeving

Fields of application:

- Wire, channel and cable insulation against temperature and short time flame affection
- Continuous applicable working temperature: 260°C
- Basic material: E-glass, alternatively braided or knitted
- Cover: high performance silicon rubber

Characteristics:

- No affection by melt splashes
- No residue accumulating even if the surface of the insulating hose is destroyed
- No burning risk when touching the material
- High resistance against hydraulic liquids, fuel or gas oil

Pohjolan Yhtyneet Metallintuojat Oy, Hankikuja 4, 01390 Vantaa

tel. +358 (0)20 2292330 fax. +358 (0)9 8252116

www.pymt.fi pymt@pymt.fi

Technical Data Sheet

Description: Knitted or braided glass fiber insulating sleeve coated with a high grade red silicone rubber. The red color comes from the high content of Fe2O3.

Applications: Protection of cables, wires and hoses against extreme heat. Human protection against burning. Insulation of flexibles against heat loss.

Basis material: E-glass continuous fiber

Chemical composition in % of weight:

SiO2	**53-55**
Al2O3	**14-15**
B2O3	**6-9**
CaO+MgO	**20-25**
NaO2	**< 1**
F	**0-0,7**

Average filament diameter (µm) according DIN 53811:
Standard tolerance: **0,8+/-0,2**

Binder: no binder

Combustibility: not flammable

Coating: extruded high grade silicone rubber

Chemical resistance: resistant to hydraulic fluids, most acids and chemicals, lubricating oils and fluids

Durability of resistance: no influence after 120 hours of treatment in Mill – 1 -6082 and Skydrol 500 at 25°C

Continuous working temperature: **260°C**

Extreme temperature resistance with max. duration of:
15 – 20 minutes +1000°C
15 – 30 seconds +1600°C

Flame resistance: US Fed. Spec. CCT – 191 – B Method 5902 after 7 seconds to extinction without afterglow

Inhalation:
Acute: irritation of the mouth, nose and throat
Chronic: none

Skin contact:
Acute: Transient mechanical irritation
Chronic: none

Specific testing qualifications: Sleeve passes SAE Aerospace Standard 1072 D for cable assemblies under stated pressure and flow. Sleeve passes SAE Aerospace Flame Test 1055 B with temperature resistance at 1.093°C for 15 minutes.

Other certifications and specifications:
-UL 1441 certified
-VW1 Flame Test Certified
-MSHA certified for use in underground mines
-SAE AS1072E
-GL - Germanischer Lloyd certified for 800°C for 30 minutes
-BS EN 373 molten splash tested
-BS EN 388 abrasion tested
-BS EN ISO 6940 flame resistance tested
-BS EN ISO 6530 oil resistance tested
-BS 2576 tensile strength tested
-DIN 54837 / 5510-2 rail vehicle certified for resistance to combustibility
-DIN 5659-2 / 5510-2 rail vehicle certified for toxicity

Quality in according to production: knitted or braided sleeving

Diameter: from 10 to 128 mm

Wall thickness sleeve and coating: 3 – 5 mm according quality and diameter

Continuous length: 15 or 30 m up to diameter 75 mm
15 m for diameter > 75 mm

Pohjolan Yhtyneet Metallintuojat Oy, Hankikuja 4, 01390 Vantaa

tel. +358 (0)20 2292330 fax. +358 (0)9 8252116

www.pymt.fi pymt@pymt.fi