



## Fact sheet SY 420 Silicone pressure hose

Conforms to RoHS guideline 2011/65 EU and Reach regulation EG 1907/2006

produced acc. to DIN ISO 3302-1 E2

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### Application:

For a vast range of applications in many areas we produce and deliver custom-made silicone pressure hoses.

### Structure:

The transparent circularly extruded silicone pressure hose can be made in nearly every conceivable and desired combination of the inner diameter and the wall-thickness.

### Braiding and fabric insert:

During this process the fabrics are made of alkali-free e-glass, polyester- or aramide-fibres. Depending on requirements they are produced with our own braiding-machine. After that they are vulcanized with liquid silicone rubber or coated with another extruded silicone layer.

### Standard features:

Hardness                                      60 ± 5 Grad Shore A  
Thermal stability                          - 60° C up to 200° C

Exceptional resistance to aging, weathering, ozone and UV  
Fully food-safe according to BGA/FDA  
Steam-resistant up to 140°C  
Exceptional dielectric features  
Not hazardous to health (psychological indifference)

An exemplary pressure test with 20°C warm water on a silicone pressure hose ID 6,0mm + 20mm wall thickness with glass fibre braiding resulted in a pressure load of 10 bar.

This pressure load is always dependent on the whole construction, the operating temperature and the pumping elements. As a result you have to determine the fields of application and the usability through a test.

### Delivery:

The finished hoses are wound on a cardboard spool in adjusted quantities.

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