

# Technical Data Sheet

## LOXEAL 59-20

### Description

One component moisture curing silicone based sealant and adhesive releasing non corrosive and low-odour by products. Provides an extremely flexible gasket between surfaces made of various materials (metal, plastics, glass, ceramics). Suitable for sealing gear boxes, pumps and motors flanges, oil and water containers, air forced pipes. Resistant to vibrations, thermal shocks, pressurized air, water, oils and several chemicals. Keeps its sealing properties within temperatures of - 50°C and + 180°C. Sealed parts can be disassembled using normal tools.

### Physical properties

Composition : silicon neutral curing  
 Colour : black, grey  
 Appearance : paste  
 Specific weight (g/ml) : 1,40 - 1,50  
 Shelf life @ +25° C : 12 months in original unopened packaging

### Curing properties

Tack free time : 15 - 30 minutes  
 Functional curing time : 3 - 6 hours  
 Final curing time : 24 - 36 hours

### Physical properties after curing 7days/+23°C/UR 50% (typical)

Hardness Shore A (ASTM D-2240) : 25 ± 5  
 Tensile strength (ASTM D-412) : 0,5 - 1,0 MPa  
 Elongation at break (ASTM D-412) : 400 - 600 %  
 Temperature range : -65°C/ +180°C  
 Joint Movement Capability (ASTM C-290) : ± 25%  
 Dielectric strength (DIN 53481) : 18 kV/mm  
 Surface resistivity : 3 x 10<sup>15</sup> Ω  
 Dielectric constant (1MHz) (DIN 53482) : 2,7

### Directions for use

Clean and degrease parts to bond with Loxeal Cleaner 10. Apply enough product to fill the gap. The product is moisture curing therefore pieces shall be assembled rapidly. Allow full cure before putting stress on pieces assembled.

### Storage

Keep product in a cool and dry room at no more than +25°C. To avoid contaminations do not refill containers with used product. For further information on applications, storage and handling contact Loxeal Technical Service.

### Safety and handling

Consult Material Safety Data Sheet before use.

### Note

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