

LOXEAL 59-20

Description

One component moisture curing silicon 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, gas, LPG, oils and several chemicals. Keeps its sealing properties within temperatures of - 50° and + 180°C. Sealed parts can be disassembled using normal tools.

Physical properties

* Composition:	silicone neutral curing
* Colour:	black, grey
* Appearance:	paste
* Specific weight (gr/ml):	1,40 – 1,50
* Shelf life @ 25° C:	12 months

Curing properties

* Tack free time:	30 - 50 minutes
* Handling curing time:	1 - 2 hours
* Functional curing time:	3 - 6 hours
* Final curing time:	24 - 36 hours

Physical properties after curing 7days/23°C/UR 50%

* Hardness (ASTM D-2240):	25 ± 5 Shore A
* Tensile strength (ASTM D-412):	0,5 – 1,0 MPa
* Elongation at break (ASTM D-412):	400 – 600 %
* Temperature range:	-60 +180°C
* Joint Movement Capability (ISO 11600):	± 25%
* Temperature resistance:	-50/+180°C
* Dielectric Strength (DIN 53481):	18 kV/mm
* Surface resistivity (DIN 53482):	3 x 10 ¹⁵ Ohm
* Dielectric Constant (1MHz) (DIN 53483):	2,7
* Loss Tangent (1MHz):	0,0002

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

Note

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