

LOXEAL 59-20 OXIME GRADE

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 - 55° and + 180°C. Sealed parts can be disassembled using normal tools.

Physical properties

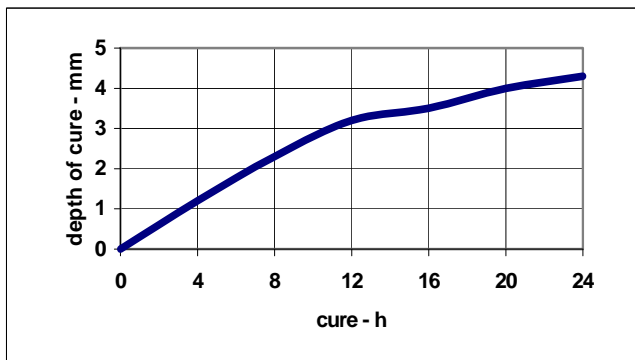
Composition : silicon neutral curing
Colour : colorless
Physical appearance: paste
Specific weight (g/ml): 1,00
Shelf life : 1 year a 25 °C

Curing properties

Tack free time: 15-30 minutes
Handling time: 1 - 2 hours
Functional cure time: 3 - 6 hours
Full cure time: 24 - 36 hours

Depth of cure

The graph below shows the depth of cure of the product (mm) vs. time (h)
Test done at 23°C – H.R. 50%



Typical properties after 7 days/ 23°C/ HR 50%

Hardness - Shore A (ASTM 2240): 20 ± 5 Shore A
Tensile strength (ASTM D-412): 0,5 – 1,0 MPa
Elongation at break (ASTM D-412): ca. 400 - 600%
Temperature range: -50°C + 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 10¹⁵ 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 more information on applications, storage and handling contact Loxeal Technical Service

Safety and handling

Consult Material Safety Data Sheet

Note

The data contained herein, obtained in Loxeal laboratories, are given for information only. Loxeal cannot assume responsibility for the results obtained by others which methods are not under Loxeal control. It is the user's responsibility to determine suitability for the user's purpose of any product mentioned herein. Loxeal disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Loxeal products. Loxeal specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.