

DIN 19704-2 EDITION 11/2014
MATERIAL PROPERTIES OF
ELASTOMER SEALS



| Properties | Examination according to | Request |
|---|---|---|
| Shore-A-Hardness | DIN ISO 7619-1 | 65 ± 5 |
| Tensile strength | DIN 53504 (standard bar S2) | ≥ 15 MPa |
| Elongation at break | DIN 53504 (standard bar S2) | ≥ 300 % |
| Compression set 168 h/23 °C 24 h/70 °C | DIN ISO 815-1 (specimen typeB) | ≤ 20 % ≥ 25 % |
| Tear resistance | DIN ISO 34-1 (Method A, strip specimen) | ≥ 8 N/mm |
| Heat ageing 7 d/70 °C Shore A hardness change Tensile strength Elongation at break | DIN 53508 DIN ISO 7619-1 DIN 53504 (standard bar S2) DIN 53504 (standard bar S2) | ≤ + 8 ≥ 10 MPa ≥ 300 % |
| Cold behavior 24 h/-20 °C Shore A hardness | DIN ISO 2285 (strip test specimen, measurement at RT, 30 min. after unloading) | ≤ 20% |
| Abrasion | DIN ISO 4649 (at 5 N) | ≤ 120 mm ³ |
| Density | DIN EN ISO 1183-1 | Manufacturer's nominal value ± 0,02 g/cm |
| Seawater resistance 28 d, 50 °C Shore A hardness change Volume change Tensile strength Elongation at break | DIN 86076 DIN ISO 7619-1 DIN ISO 1817 DIN 53504 (standard bar S2) DIN 53504 (standard bar S2) | ≤ 5 ≤ 10 % ≥ 10 MPa ≥ 300 % |

AL Gummi + Kunststofftechnik GmbH

Kruppstrasse 13 | 41540 Dormagen | Germany | Tel. +49 2133 6968 | Fax +49 2133 63536 | post@algunmi.de

www.algunmi.de