



H-NBR Härte 85 Shore A grün

H-NBR hardness 85 shore A green

Highly saturated nitrile butadiene rubber

Mechanische, physikalische und thermische Eigenschaften

Mechanical, physical and thermal properties

| Eigenschaften properties | Bedingung condition | Norm standard | Einheit unit | | | |
|--|--|------------------|--|-------------------------|-------------------|-------------------------|
| Farbe colour | | | | schwarz black | | schwarz black |
| Härte hardness | 23°C | ISO 868 | shore A | 85 ± 5 | shore A | 85 ± 5 |
| Spannungswert/Modul 100 % modulus 100 % | 23°C | DIN 53 504 | MPa | ≥ 15 | psi | ≥ 2175 |
| Reißfestigkeit tensile strength | 23°C | DIN 53 504 | MPa | ≥ 20 | psi | ≥ 2900 |
| Reißdehnung elongation at break | 23°C | DIN 53 504 | % | ≥ 200 | % | ≥ 200 |
| Weiterreißwiderstand tear strength | 23°C | DIN 53 515 | kN/m | ≥ 30 | lbf/inch | ≥ 170 |
| Spezifisches Gewicht spec. gravity | 23°C | ISO 1183 | kg/m ³ | 1320 | g/cm ³ | 1,32 |
| Abrieb abrasion | 23°C | DIN 53 516 | mm ³ | 130 | mm ³ | 130 |
| Druckverformungsrest DVR compression set | * | ISO 815 | % | ≤ 12 | % | ≤ 12 |
| Druckverformungsrest DVR compression set | ** | ISO 815 | % | ≤ 14 | % | ≤ 14 |
| Druckverformungsrest DVR compression set | *** | ISO 815 | % | ≤ 22 | % | ≤ 22 |
| Min. Einsatztemperatur minimum service temperature | | | °C | -20 | °F | -4 |
| Max. Einsatztemperatur maximum service temperature | | | °C | 150 | °F | 302 |
| Max. Einsatztemperatur Wasserdampf temp maximum water steam | | | °C | 120 | °F | 248 |
| Max. Einsatztemperatur Heißluft temp maximum hot air | | | °C | 180 short | °F | 356 short |
| * 24h 70°C 25% Verformung * 24h 70°C 25% deflection | ** 24h 100°C 25% Verformung ** 24h 100°C 25% deflection | | *** 24h 150°C 25% Verformung *** 24h 150°C 25% deflection | | | |

Chemical Properties

Copolymer, based on butadiene and acrylonitrile

Resistant to: oil, petrol, hot water, hot air, ozone, crude oil

Not resistant to: conc. acids, conc. lyes, polare solvents

Detailed information concerning chemical resistance see RDA Chemical Resistance Guide