

Technical specification

SBR Styrene-Butadiene rubber SBR Styren-Butadiengummi

Description Good mechanical properties. Weather resistance. Good ageing properties.
Goda mekaniska egenskaper. Lämplig för utomhus applikationer. Bra åldringsbeständighet.

| Properties | Unit | Value | Test method |
|-----------------------------------------------------------|---------------------------------|---------------------------------|---------------------|
| Hardness / <i>Hårdhet</i> | °Shore A °IRHD | 65 +/-5 65 +/-5 | ASTM 2240 ISO 48 |
| Tensile strength / <i>Brottgräns</i> | Min Mpa | 14 | ISO 37 |
| Elongation at break / <i>Brottöjning</i> | Min % | 500 | ISO 37 |
| Tear strength / <i>Rivhållfasthet</i> | Min N/mm | 40 | ISO 34 C |
| Density approx. / <i>Densitet c:a</i> | Mg/m ³ | 1,17 | |
| Maximum load / <i>Maximal belastning</i> | Kg/cm ² | n/a | |
| Compression set / <i>Sättning</i> | 24h/70°C max% 24h/100°C max% | 30 n/a | ISO 815 |
| Working temp. range / <i>Arbetstemperaturområde</i> | °C min/max | -40/+95 | |
| Ageing / <i>Åldring</i> | h/°C | 168/70 | ISO 188 |
| change in / <i>ändring i</i> | | | |
| Hardness / <i>Hårdhet</i> | °IRH | +8 | |
| Tensile strength / <i>Brottgräns</i> | Max % | +/-8 | |
| Elongation at break / <i>Brottöjning</i> | Max % | -20 | |
| Volume change in liquid / <i>Volymändring i vätska</i> | | | SS-ISO 1817 |
| SIS B 72h/23°C | Max % | n/a | |
| ASTM / SIS 1 72h/100°C | Max % | n/a | |
| IRM 903 72h/100°C | Max % | n/a | |
| Distilled water 168 h/100° | Max % | n/a | |
| Ozone resistance / <i>Ozonresistans</i> | | | SS 162210 |
| 30°C/50 pphm/96 h | Min % elong. | 60 | |
| 30°C/200 pphm/96 h | Min % elong. | n/a | |
| Colour / <i>Färg</i> | | Black / <i>Svart</i> | |
| Electrical properties / <i>Elektriska egenskaper</i> | | Antistatic / <i>Antistatisk</i> | |
| Durability / <i>Hållbarhet</i> | | | |
| Water / <i>Vatten</i> | | Excellent / <i>Utmärkt</i> | |
| Diluted acids and bases / <i>Utspädda syror och baser</i> | | Excellent / <i>Utmärkt</i> | |
| Conc. acids and bases / <i>Konc. syror och baser</i> | | Moderate / <i>Användbar</i> | |
| Oil resistance / <i>Oljeresistivitet</i> | | Bad / <i>Dålig</i> | |

This specification is given by our best knowledge and might be submitted to changes.