

SKF Ecorubber-H

Hydrogenerated acrylonitrile-butadiene-rubber

DIN/ISO: H-NBR

ASTM: H-NBR

| Property | Unit | Value | Standard |
|--|-------------------|------------|-------------------|
| Standard color | – | Black | ■ |
| Durometer hardness | Shore A | 85 ±5 | DIN ISO 7619 |
| Density | g/cm ³ | 1,23 ±0,02 | DIN EN ISO 1183-1 |
| Tensile strength | MPa | ≥ 18 | DIN 53504 |
| Elongation at break | % | ≥ 180 | DIN 53504 |
| 100% modulus | MPa | ≥ 10 | DIN 53504 |
| Compression set 100 °C / 24 h | % | ≤ 22 | DIN ISO 815 |
| Tear strength | N/mm | 24 | DIN ISO 34-1 |
| Abrasion | mm ³ | 90 | DIN ISO 4649 |
| Swelling behavior ASTM Oil No. 1, 70 h / 100 °C | | | |
| Change in durometer hardness | Shore A | +6 | DIN ISO 7619 |
| Volume change | % | -8 | DIN 53521 |
| ASTM Oil No. 3, 70 h / 100 °C | | | |
| Change in durometer hardness | Shore A | -8 | DIN ISO 7619 |
| Volume change | % | +11 | DIN 53521 |
| Swelling behavior, wet | | | |
| Change in durometer hardness | Shore A | 0 | DIN ISO 7619 |
| Volume change | % | +2,5 | DIN 53521 |
| Heat resistance, air 70 h / 150 °C | | | |
| Change in durometer hardness | Shore A | +5 | DIN ISO 7619 |
| Volume change | % | 0 | DIN 53521 |
| Minimum service temperature | °C | -25 | – |
| Maximum service temperature | °C | +150 | – |

IMPORTANT NOTE: The values shown above are only valid for material samples prepared for test purposes according to the stated standards. The values, which are marked with the symbols greater than or equal to (≥) and smaller than or equal to (≤), are nominal values and must be fulfilled for each batch. These values are tested on selected samples.

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