

Z226

HNBR 80 BLACK

REV. 2

General Application Temperature Range

From -25°C
To 150°C

General Environmental Application

Coolant
Mineral Oils
Ozone
UV Rays
H2S

Compliances

Note

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Disclaimer

Tests performed on test slabs. Temperatures, applications and indications are meant as basic suggestions and valid for static applications with no other specific media and or conditions.

PHYSICAL AND MECHANICAL PROPERTIES

| Property | Test STD | Unit | Value |
|-------------------|-------------|-------------------|-------------|
| Density | DIN 53479 | g/cm ³ | 1,31 ± 0,03 |
| Hardness | DIN 53505 | ShA | 80 ± 5 |
| Tensile Strength | DIN 53504 | N/mm ² | >19 |
| Elongation | DIN 53504 | % | >175 |
| Tear resistance | DIN 53515 | N/mm | >41 |
| TR 10 | ASTM D 1329 | °C | <-15 |
| Brittle Point | ASTM D 2137 | °C | <-25 |
| C. Set 24h @150°C | DIN 53517 | % | <15 |
| C. Set 70h @150°C | DIN 53517 | % | <22 |

AGEING PROPERTIES

| Environment | Test STD | Unit | Value |
|----------------|-------------------------|------|-------|
| Air 70h @150°C | DIN 53508 | | |
| | <i>Hardness Change</i> | ShA | +4,5 |
| | <i>Tensile Strength</i> | % | 21,5 |
| | <i>Elongation</i> | % | 130 |
| | <i>Volume</i> | % | -1,9 |
| | <i>Weigth</i> | % | -1,2 |

| | | |
|-------------------------|-----|--|
| <i>Hardness Change</i> | ShA | |
| <i>Tensile Strength</i> | % | |
| <i>Elongation</i> | % | |
| <i>Volume</i> | % | |
| <i>Weigth</i> | % | |

| | | | |
|-----------------------|-------------------------|-----|------|
| Oil ASTM 1 70h @150°C | DIN 53521 | | |
| | <i>Hardness Change</i> | ShA | -0,5 |
| | <i>Tensile Strength</i> | % | 18,6 |
| | <i>Elongation</i> | % | 129 |
| | <i>Volume</i> | % | -1,4 |
| | <i>Weigth</i> | % | -1 |

| | | |
|-------------------------|-----|--|
| <i>Hardness Change</i> | ShA | |
| <i>Tensile Strength</i> | % | |
| <i>Elongation</i> | % | |
| <i>Volume</i> | % | |
| <i>Weigth</i> | % | |

