

Z268

NBR 90 BLACK

Update 27 March 2019

General Application Temperature Range

From -25°C
To 120°C

General Environmental Application

Mineral Oils
Gas
UV Rays

Compliances

Composition – IMDS Data

| CAS n° | Qty % |
|-----------|-------|
| 9003-18-3 | 35-45 |
| 1333-86-4 | 45-55 |
| 1314-13-2 | 1-4 |
| 137-26-8 | 0-3 |
| n.a. | 10 |
| | |

Note

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Disclaimer

Temperatures, applications and indications here above 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 | ISO 2781A | g/cm ³ | 1,30 ± 0,03 |
| Hardness | ASTM D2240 | ShA | 90 ± 5 |
| Tensile Strength | ISO 37 | N/mm ² | 19,9 |
| Elongation | ISO 37 | % | 213 |
| Tear resistance | DIN 53515 | N/mm | 53 |
| TR 10 | ASTM D1329 | °C | -23 |
| Brittle Point | | °C | |
| C. Set 24h @100°C | ASTM D395B | % | 10,8 |
| C. Set 70h @100°C | ASTM D395B | % | 15,2 |

AGEING PROPERTIES

| Environment | Test STD | Unit | Value |
|-----------------------|-------------------------|------|-------|
| Air 70h @100°C | DIN 53521 | | |
| | <i>Hardness Change</i> | ShA | +2 |
| | <i>Tensile Strength</i> | % | -2,4 |
| | <i>Elongation</i> | % | -48 |
| | <i>Volume</i> | % | -1,5 |
| | <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 @100°C | DIN 53521 | | |
| | <i>Hardness Change</i> | ShA | +1 |
| | <i>Tensile Strength</i> | % | -1,7 |
| | <i>Elongation</i> | % | -27 |
| | <i>Volume</i> | % | -1 |
| | <i>Weigth</i> | % | -1 |
| Oil ASTM 3 70h @100°C | DIN 53521 | | |
| | <i>Hardness Change</i> | ShA | -10 |
| | <i>Tensile Strength</i> | % | -2,9 |
| | <i>Elongation</i> | % | -38 |
| | <i>Volume</i> | % | +10,5 |
| | <i>Weigth</i> | % | +10 |

