

NBR/P 559

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|---|
| NBR, black - high-grade |
| Sulphur crosslinked |
| High quality nitrile with good mechanical properties |
| Good oil resistant - recommended for mineral oil based oils up to 30% aromatics content |
| Good fuel resistant (alcohol-free fuels) |
| *SVHC-free |

| | | |
|---|----------------------|-------|
| Hardness [Shore A]: | ISO 48-4 | 70 ±5 |
| Density [g/cm ³]: | ISO 1183-1 | ~1,49 |
| Tensile strength [N/mm ²]: | ISO 37 type 2 | 10 |
| Elongation at break [%]: | ISO 37 type 2 | 330 |
| ACN content | 33% | |
| correspond to WDK-guideline 2201 : 2020-10 "Quality characteristics of Elastomer sheets and plates" | | |
| Ozone resistance: | non resistant | |
| Weather resistance: | non resistant | |
| Oil resistance: | good resistant | |
| Fuel resistance: (only alcohol-free fuels!) | good resistant | |
| Acid resistance: | moderately resistant | |
| Strong bases: | resistant | |
| Abrasion resistance: | moderately suitable | |

WORKING TEMPERATURE RANGE

| Medium | dyn. (stat.) | max. | short-term |
|--------|--------------|--------|------------|
| Air | (-20) °C | +80 °C | +90 °C |

AGEING ISO 188

| Conditions | Hardness | Strength | Elongation |
|------------|------------|----------|------------|
| 72 h/100°C | 10 Shore A | 10% | 35% |

ROTACURED SHEETS

| Article nr. | Thickness mm | Width m | Length m |
|-------------|--------------|---------|----------|
| 4011 62050 | 0.5 | 1.35 | 20 |
| 4011 62100 | 1.0 | 1.4 | 20 |
| 4011 62150 | 1.5 | 1.4 | 20 |
| 4011 62200 | 2.0 | 1.4 | 20 |
| 4011 62300 | 3.0 | 1.4 | 10 |
| 4011 62400 | 4.0 | 1.4 | 10 |
| 4011 62500 | 5.0 | 1.4 | 10 |
| 4011 62600 | 6.0 | 1.4 | 10 |
| 4011 62800 | 8.0 | 1.4 | 5 |
| 4011 62000 | 10.0 | 1.4 | 5 |

COMPRESSION SET DIN ISO 815

| Duration | Temperature | CS |
|----------|-------------|-------|
| 22 h | +100 °C | +40 % |

SWELLING ISO 1817

| Medium | Conditions | Hardness | Volume |
|---------|------------|-----------|--------|
| IRM 903 | 70 h/100°C | 5 Shore A | 10 % |
| Fuel B | 70h/30°C | | 20 % |

PRESS-CURED SHEETS

| Article nr. | Thickness mm | Width m | Length m |
|-------------|--------------|---------|----------|
| 4213 62120 | 12.0 | 1.35 | 5 |
| 4213 62150 | 15.0 | 1.4 | 5 |
| 4213 62200 | 20.0 | 1.4 | 5 |
| 4213 62250 | 25.0 | 1.4 | 5 |
| 4213 62300 | 30.0 | 1.4 | 5 |