# Polystrat NSE20-02

**Polystrat NSE20-02 is a coated steel for gasket applications.**
NBR-coated stainless steel for gasket applications that require good temperature resistance and excellent recovery.



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|---|---|
| **Basic composition** | NBR/stainless steel/NBR |
| **Surface treatment** | Anti-Stick |
| **Colour** | black |

| | |
|---|---|
| **Roll** | Roll length up to 500 m |
| **Width** | Up to 500 mm |

| **Composition and tolerances** | | |
|---|---|---|
| | NBR | 0.050 ± 0.005 mm |
| | Steel, 1.4310 | 0.200 ± 0.020 mm |
| | NBR | 0.050 ± 0.005 mm |
| | Total | 0.300 ± 0.030 mm |

**Industry / Application**
Automotive / General Industry / Pumps / Compressors

**Typical technical data and properties for KLINGER® Polystrat**

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|---|---|---|
| Rubber hardness | Shore A ISO 48-4 | 69 |
| Rubber tensile strength | ISO 37 | 8.7 MPa |
| Rubber ultimate elongation | ISO 37 | 351% |
| Rubber compression set | ISO 815-1 | 34% |
| Rubber to metal bond integrity | KLINGER Scratch test | Pass |
| | MEK rub test 10 min | Pass |
| Hot piston test | 200°C/42 MPa/2 min | Pass |
| Ageing properties | IRM 903 oil ISO 1817, 72 h, 100°C | |
| Hardness Shore A | ISO 48-4 | -5 |
| Tensile Strength | ISO 37 | -15% |
| Ultimate elongation | ISO 37 | -36% |
| Compression set | ISO 815-1 | -50% |
| Chemical resistance of the rubber layer | No embrittlement and delamination | |
| Fuel B 72 h RT | | Pass |
| FAM A 48 h, RT | | Pass |
| Diesel fuel 72 h, RT | | Pass |
| Oil IRM 903 72 h, RT | | Pass |
| Motor oil SAE 15W-40 24h, 125°C | | Pass |
| Brake fluid DOT 4 72 h, 100°C | | Pass |
| Coolant Glysantin® 30 (50:50) 125 h, 125°C | | Pass |

All information is based on years of experience in production and operation of sealing elements. However, in view of the wide variety of possible installation and operating conditions one cannot draw final conclusions in all application cases regarding the behaviour in gasket joint. The data may not, therefore, be used to support any warranty claims. This edition cancels all previous issues. Subject to change without notice.

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