

Technical Datasheet: Engineering coating type DR

General notes

- **NBR** vulcanized nitrile rubber
- very soft and elastic, good tear resistance
- outstanding abrasion/wear resistance (improved life-time)
- good chemical resistance (oils, grease, fuels, acid, detergents and soaps); good hydrolytic resistance (hot water)
- electrically static dissipative, low surface resistivity (10^8 - 10^9 Ohm), ESD-safe material!
- typical applications include ESD-safe handles, floor and work surface mats

Mechanical properties

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|----------------------------|----------|-----------------|
| Hardness, Shore A | 30 | |
| Tensile modulus 100% | 0.6 MPa | DIN 53504, 23°C |
| Tensile modulus 200% | 1.1 MPa | DIN 53504, 23°C |
| Tensile modulus 300% | 1.8 MPa | DIN 53504, 23°C |
| Tensile modulus 400% | 2.6 MPa | DIN 53504, 23°C |
| Tensile strength, ultimate | 10.4 MPa | DIN 53504, 23°C |
| Elongation at break | 817.3 % | DIN 53504, 23°C |

Thermal properties

| | | |
|----------------------------|-------|----------|
| Continuous Use Temperature | 100°C | 20'000 h |
| Short Time Temperature | 120°C | |

Electrical properties

| | |
|----------------------|---------------------|
| Surface resistivity: | 10^8 - 10^9 Ohm |
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Other properties

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| Density | 1.10 g/ccm | ISO 1183 |
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