

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

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

Density	1.10 g/ccm	ISO 1183
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