

General information:

A strong, tough and durable material. Suitable for connecting elements and other technical components. Thanks to self-lubricant properties ideal for slide bearings. Always has to acclimatise for a few days after injection moulding, absorbing approximately 3% moisture to obtain its highest stability.

Continuous operation temperature: approx. 100°C. Nylon is fire-resistant.

Physical properties:

Property	Value	DIN
Density (gr/cm ³)	1.14	--
Tensile strength (MN/m ²)	55	53455
Elongation at break (%)	250	53455
Modulus of elasticity (MN/m ²)	950	53457
Notched impact strength (kJ/m ²)	35	53453
Ball indentation hardness (MN/m ²)	82	53456
Continuous operating temperature (max °C)	120	--
Volume resistivity (Ω.cm)	10 ¹⁵	53482
Dielectric dissipation factor tan: (10 ³ Hz)	0.2	53483
Dielectric strength (MV/m)	35	53481
Coefficient of friction (compared with) (--)	0.3	--

Chemical resistance:

Resistance to

Benzine	+	Weak lyes	+
Benzol	+	Strong lyes	0
Mineral oils	+	Weak acids	0
Vegetable oils	+	Strong acids	-

Important note:

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