

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 2% moisture to obtain its highest stability (a bit less than Nylon-6). Continuous operation temperature: approx. 120°C. Nylon is fire-resistant.

Physical properties:

Property	Value	DIN
Density (gr/cm ³)	1.14	--
Tensile strength (MN/m ²)	60	53455
Elongation at break (%)	140	53455
Modulus of elasticity (MN/m ²)	1500	53457
Notched impact strength (kJ/m ²)	17	53453
Ball indentation hardness (MN/m ²)	100	53456
Continuous operating temperature (max °C)	120	--
Volume resistivity (Ω.cm)	10 ¹⁵	53482
Dielectric dissipation factor tan: (10 ³ Hz)	0.15	53483
Dielectric strength (MV/m)	30	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:

The information about the nature or usability of materials or products is for information only and does not represent a contractual obligation. The information only corresponds to the experience of the manufacturers. All information is provided without warranty. Subject to typing errors, mistakes and changes.