

### General information:

PA 12 is a semi-crystalline thermoplast with the lowest water absorption of all polyamides. It is characterised by a high tenacity and a comparatively good chemical resistance. Regarding stability and hardness, however, PA 12 lags behind the types based on PA 6 or PA 66.

### Physical properties:

Property	Value	DIN
Density (gr/cm <sup>3</sup> )	1.01	--
Yield stress (MPa)	46/36	--
Elongation at break (%)	280/250	--
Modulus of elasticity (MPa)	1500/1100	--
Flexural strength (MPa)	55/-	--
Ball indentation hardness (MPa)	95/80	--
Melting temperature (°C)	180	--
max. temperature short-/long-term (°C)	150/95	--
min. operation temperature (°C)	-70	--

### Chemical resistance:

#### Resistance to

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

#### Important note:

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