

#### General information:

High stability, impact strength, stiffness and hardness. Furthermore a good electrical insulator. Resistant to water, a lot of mineral acids and aqueous solutions of neutral salts and oxidising agents. Some non-polar organic solvents like hydrocarbons and a lot of oils and greases do not affect polycarbonate.

However, it is not resistant to chlorinated hydrocarbon, alkaline aqueous solutions, amines and ammoniac as well as some organic solvents.

#### Physical properties:

Property	Value	DIN
Density (gr/cm <sup>3</sup> )	1.15	--
Tensile strength (MN/m <sup>2</sup> )	55	53455
Elongation at break (%)	71	53455
Modulus of elasticity (MN/m <sup>2</sup> )	2500	53457
Notched impact strength (kJ/m <sup>2</sup> )	20	53453
Ball indentation hardness (MN/m <sup>2</sup> )	80	53456
Continuous operating temperature (max °C)	100	--
Volume resistivity (Ω.cm)	10 <sup>16</sup>	53482
Dielectric dissipation factor tan: (10 <sup>3</sup> Hz)	0.007	53483
Dielectric strength (MV/m)	28	53481
Coefficient of friction (compared with) (--)	0.5	--

#### Chemical resistance:

##### Resistance to

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

##### Important note:

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