

General information:

ABS is a plastic material with the right properties for the production of articles of daily use like phone cases, vacuum cleaners, computers etc. It is a tough material, very solid and scratch-resistant. Furthermore, it comes with a pretty surface gloss and is fadeless and resistant to a large number of chemicals.

Physical properties:

Property	Value	DIN
Density (gr/cm ³)	1.05	--
Tensile strength (MN/m ²)	47	53455
Elongation at break (%)	--	53455
Modulus of elasticity (MN/m ²)	2500	53457
Notched impact strength (kJ/m ²)	65	53453
Ball indentation hardness (MN/m ²)	117	53456
Continuous operating temperature (max °C)	75	--
Volume resistivity (Ω.cm)	10 ¹⁴	53482
Dielectric dissipation factor tan: (10 ³ Hz)	--	53483
Dielectric strength (MV/m)	--	53481
Coefficient of friction (compared with) (--)	--	--

Chemical resistance:

Resistance to

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