

Our ABS sheets are designed for high heat resistance and can be processed particularly well in thermoforming.

Mechanical properties:

Yield stress	DIN EN ISO 527	45 MPa
Elongation at yield	DIN EN ISO 527	2.7%
Modulus of elasticity	EN ISO 178	2100 MPa
Impact strength 23°C / -30°C	DIN EN ISO 179/2C	13 kJ/m ² / 8 kJ/m ²
Notched imp. strength 23°C / -30°C	DIN EN ISO 179/1eA	18 kJ/m ² / 13 kJ/m ²

Thermal properties:

Vicat B	DIN EN ISO 306	102°C
Temperature of deflection	75-1/1,82MPa	101°C

Electrical properties:

Dielectric constant	IEC 250 (50Hz)	2.8
Contact resistance	DIN EN 61340-5-1	10 ¹⁵ Ohm
Surface resistivity	DIN EN 61340-5-1	10 ¹⁴ Ohm
Dielectric strength	VDE 0303	± 9 kV/mm

Typical properties:

Processing shrinkage		0.4-0.7%
Water absorption	ISO 62	0.3%
Density	DIN EN ISO1183	1.05 g/cm ³
Temperature range		-10 to +90°C
Weather resistance		x

Options*: mat, gloss, smooth, textured, with protective film (also deep-drawable), coloured according to RAL colour scale or custom colours, as recycled quality and with glitter effect.

Weather resistant coextrusion types: PMMA/ASB, ASA/ASB.

*not all materials are available from stock; for some, order quantities of >1,000 kg may be required

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The figures shown are the data of the sheet manufacturers. Values may differ depending on the production batch. This data sheet is not a guarantee for exact compliance with the values!