

Extruded PP-C sheets have a very good resistance to chemicals as well as a high impact strength, especially in the low temperature range.

Mechanical properties:

Yield stress	DIN EN ISO 527	24 MPa
Elongation at yield	DIN EN ISO 527	11%
Tensile strength at break	DIN EN ISO 527	25 MPa
Elongation at break	DIN EN ISO 527	650%
Modulus of elasticity	EN ISO 178	900 MPa
Impact strength 23°C / -30°C	DIN EN ISO 179/1eU	without break / >70 kJ/m ²
Notched imp. strength 23°C / -30°C	DIN EN ISO 179/1eU	35 kJ/m ² / 4 kJ/m ²

Thermal properties:

Vicat B	DIN EN ISO 306	151°C
Coefficient of thermal expansionf.	ISO 7991	15 10 ⁻⁵ /K
Thermal conductivity	ISO 8302	0.22 W/m*K

Electrical properties:

Dielectric constant	IEC 250	2.3
Dielectric loss factor	IEC 250	10 ⁻⁴
Contact resistance	DIN EN 61340-5-1	10 ¹⁵ Ohm
Surface resistivity	DIN EN 61340-5-1	10 ¹³ Ohm
Dielectric strength	VDE 0303	30-40 kV/mm

Typical properties:

Density	DIN EN ISO1183	0.92 g/cm ³
Temperature range		-20 to +110°C
Weather resistance		low

Options*: smooth, textured, coloured according to RAL or NCS colour scale and as recycled quality.
 * 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!