

Technical Data Sheet



PPs

Polypropylen flame retardant

General properties	Test method	Unit	Guideline value
Density	DIN EN ISO 1183	g / cm ³	0,95
Flammability (Thickness 3-20 mm)	DIN 4102 lame retardant	---	B1
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	32
Elongation at yield stress	DIN EN ISO 527	%	8,0
Impact strength	DIN EN ISO 179	kJ / m ²	ohne Bruch
Tensile modulus of elasticity	DIN EN ISO 527	MPa	1600
Notched impact strength	DIN EN ISO 179-1eA	kJ / m ²	6
Ball indentation hardness	DIN EN ISO 2039-1	MPa	70
Shore hardness	DIN EN ISO 868	scale D	72
Thermal properties			
Service temperature long term	Average	°C	0 / +100
Mean thermal Coefficient of linear expansion	DIN EN ISO 11359-2	K ⁻¹	1,6 * 10 ⁻⁴
Electrical properties			
Surface resistivity	IEC 60093	Ω	10 ¹³
Dielectric strength	IEC 60243-1	kV / mm	22

The data are guide values for the respective material and may vary depending on the processing method and specimen production. As a rule, these are average values from measurements on extruded sheets with a thickness of 4 mm. In the case of sheets manufactured exclusively by compression molding, the measurements are usually made on sheets 20 mm thick. Deviations are possible if sheets in these thicknesses are not available. In the case of laminated sheets, the technical characteristic values refer to the unlaminated base sheets. The data cannot be readily transferred to other product types (such as tubes, solid bars) of the same material or to the further processed products. The suitability of materials for a specific application must be checked by the processor or user. The technical characteristic values are merely a planning aid. In particular, they do not represent guaranteed properties.