

Product Texts

PA66 with medium viscosity, 50% glassfiber reinforced and UV resistant
For moulding parts with very high stiffness at good thermal stability.

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	15900 / 10000	MPa	ISO 527
Stress at break	177 / 115	MPa	ISO 527
Strain at break	1.5 / 3	%	ISO 527
Charpy impact strength, +23°C	68 / 78	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	62 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	10 / 16	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	8 / -	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	230 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	240 / *	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	-

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Relative permittivity, 1MHz	150 / -	-	IEC 62631-2-1
Volume resistivity	1E13 / -	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E13	Ohm	IEC 62631-3-2
Comparative tracking index	500 / -	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Water absorption	4 / *	%	Sim. to ISO 62
Humidity absorption	1.4 / *	%	Sim. to ISO 62
Density	1560 / -	kg/m ³	ISO 1183

Characteristics

Special Characteristics

U.V. stabilized or stable to weather

Regional Availability

Europe