

CERTIFICATE OF QUALITY

PA (PA6)

	Property	testcondition	Testspecification	Unit	Typical value
mechanical	Tensile yied strength		ISO 527	N/mm ²	75
	Ultimate elongation		ISO 527	%	
	Flexural strength		ISO 178 / DIN 53452	N/mm ²	-
	E-Modul Flexuaral modulus	dry conditioned	ISO 527	Mpa	3200 1200
	Izod impact strength	23 °C -40°C	ISO 180/1A ISO 180/1	kJ/m ² kJ/m ²	- -
	Charpy impact strength	23 °C	ISO 179/2C	kJ/m ²	5
	impact strength	23 °C -40 °C	ISO 179/2D ISO 179 / DIN 53453	kJ/m ²	- -
thermal	Melting point		DSC	°C	
	Heat deflection temperature	0,45 MPa 1,8 Mpa	ISO 75	°C	197 68
	Vicat softening temperature	A50 (10N) B50 (50N)	ISO R 306	°C	216 200
	Continuous temperature			°C	-
	Flammability	FMVSS 302 UL94/0,8mm			- V0
electrical	Comparative tracking index (CTI)	A	IEC 60112	V	600
	Surface resistivity	dry conditioned	IEC 93	Ω	-
	volume resistivity	dry conditioned	IEC 93	Ω x cm	-
	dielectric constant	10 ² Hz 10 ³ Hz 10 ⁶ Hz	IEC 250		-
	Dissipation factor	50 Hz 1 MHz	IEC 250 / DIN 53483		-
ALLG	density	Normklima	ISO 1183	g/cm ³	1,2
	Water absorption		ISO 62	%	-
	Rockwell - Hardness	dry conditioni	ISO 2039/2	Scala R	-
	mould shrinkage	1,8mm	ISO 2577	%	-