

PHYSICAL PROPERTIES	AVERAGE VALUES	UNITS	STANDARDS
 MATERIAL DENSITY	1,07		ASTM D792
 MOLDING CONTRACTION (FLOW), 3,2 MM	0,4~0,7	%	ASTM D955
 FLOW INDEX (220°C/10KG)	12	g/10min	ASTM D1238

MECHANICAL PROPERTIES	AVERAGE VALUES	UNITS	STANDARDS
 TENSILE STRENGTH, 3,2 MM (@YIELD 50mm/min)	480	kg/cm ²	ASTM D638
 ELONGATION BY TRACTION, 3,2 MM (@YIELD 50mm/min)	>6	%	ASTM D638
 ELONGATION BY TRACTION, 3,2 MM (@Break 50mm/min)	25	%	ASTM D638
 TRACTION MODULE (1mm/min)	21.200	kg/cm ²	ASTM D638
 FLEXIBLE FORCE (15mm/min)	770	kg/cm ²	ASTM D790
 BENDING MODULE (15mm/min)	22.500	kg/cm ²	ASTM D790
 IMPACT RESISTANCE IZOD, 6,4 MM. 23°C (NOTCHED)	16	kg·cm/cm	ASTM D256
 IMPACT RESISTANCE IZOD,6,4 MM, -30°C (NOTCHED)	4	kg·cm/cm	ASTM D256
 IMPACT RESISTANCE IZOD, 3,2 MM, 23°C (NOTCHED)	18	kg·cm/cm	ASTM D256
 IMPACT RESISTANCE IZOD, 3,2 MM, -30°C (NOTCHED)	4	kg·cm/cm	ASTM D256
 ROCKWELL HARDNESS (R-SCALE)	103		ASTM D785

THERMAL PROPERTIES	AVERAGE VALUES	UNITS	STANDARDS
 THERMAL DEFLECTION TEMPERATURE, 6,4MM, 18.6KG (NOT ANNEALED)	86	°C	ASTM D648
 THERMAL DEFLECTION TEMPERATURE, 6,4MM, 4.6KG (NOT ANNEALED)	96	°C	ASTM D648
 SOFTENING TEMPERATURE VIC (5kg, 50°C/h)	95	°C	ASTM D1525
 INFLAMMABILITY (0,8mm)	HB	class	UL94
 INFLAMMABILITY (1,6mm)	HB	class	UL94
 INFLAMMABILITY (2,5mm)	HB	class	UL94
 INFLAMMABILITY (3,2mm)	HB	class	UL94
 RELATIVE TEMPERATURE INDEX (ELECTRICAL)		°C	UL 746B
 RELATIVE TEMPERATURE INDEX (IMPACT MECHANICS)		°C	UL 746B
 RELATIVE TEMPERATURE INDEX (NON-IMPACT MECHANICAL)		°C	UL 746B

PRINTING PROPERTIES	AVERAGE VALUES	UNITS	STANDARDS
 NOZZLE TEMPERATURE	240 -260	°C	
 HOT BED TEMPERATURE	70 - 100	°C	

SPOOL SIZE	DIAMETER	COLOR	PACKAGING
250g	1,75mm	Various	Reusable bag, spool and silica bag
1Kg	1,75mm	Various	Reusable bag, spool and silica bag

* The indicated parameters are valid for correctly calibrated printers (PyD, mechanical and fuser).
* Supervised and tested manufacturing process (diameter, color and winding) to guarantee the quality of our product.