



Good weather resistance, general purpose.

Perfect filament to manufacture pieces destined to be in spaces exteriors due to their high resistance to heat and UV rays. Highlights also for its great chemical resistance.



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	ON REQUEST	COLOR	PACKAGING
250g	1,75 mm			Cardboard box, vacuum and silica
1Kg	1,75 mm			Cardboard box, vacuum and silica



Product Range

Art. No.	Type	Colour	Diameter	Weight
30241977	RND 705-00037	Black	1.75 mm	250 g
30241978	RND 705-00038	Black	1.75 mm	1 kg
30241979	RND 705-00039	Clear	1.75 mm	250 g
30241980	RND 705-00040	Clear	1.75 mm	1 kg