



Polyamide 6 natural lubricated with 25% glass fibre reinforcement and V-0 quality, this material combines good mechanical properties and excellent flame resistance, generally employed in electrical industry or in final pieces that require V-0 quality.

	Standard		Unit		Values	
					Dry	Conditioned
Generals						
Density	ISO 1183		gr /cm3		1,4	-
Melt Flow Index	ISO 1133		gr /10 min.		-	-
Humidity Pelets	ISO 1110		%		0,2	-
Hardness	SHORE D		Points		79	-
Mold Shrinkage	-		%		~0,35	-
Mechanical						
Tensile Strenght	ISO 527		N /mm2		120	90
Elogantion at break	ISO 527		%		3	5
Tensile Modulus	ISO 527		N /mm2		8700	4700
Charpy Impact	23 °C ISO 179		Kj / m2		40	70
	-40 °C ISO 179		Kj / m2		-	-
Charpy notched Impact	23 °C ISO 179		Kj / m2		6	9
	-40 °C ISO 179		Kj / m2		-	-
Electrical						
Surface Resistivity	IEC 93		Ohm		10 ¹⁵	10 ¹²
Dielectric strenght	IEC 243		Kv / mm		22	-
Tracking lindex (C.T.I.)	IEC 112		Kv / mm		-	-
Thermal						
Deflection Temp.Under Load (H.D.T.)	0,4 N ISO 75 /A		°C		215	-
	1,8 N ISO 75 /A		°C		195	-
VICAT Temperature	ISO 306		°C		>220	-
Others						
UL-94 Flammability	UL-94		-		V-0	-
Glow Wire	IEC 695		°C		-	-
Flammability speed	FMV 302		mm / min.		<100	-
Ashes	Triesa Test		%		25	-
Water absorption (24h)	ISO 62		%		~1,7	-
Flame Resistant					YES	-
Processing						
Drying Material	2h - 4h 80 °C					
Mold. Temperature	50 °C - 60 °C					
Processing Temperature	220 °C - 230 °C					

-This values provided in this data sheet corresponds to our Knowledge. All products must be subjected to in company test by the user before application

-These data may not valid such material used in combination with any other materials or additives or in any process

- UL mesurements are doing in our lab according this norm