

BESTNYL SE35VI01AX

Polyamide 6.6 natural lubricated with 35% glass fibre reinforcement and V-0 quality, is a material with good mechanical and flame retardant properties, high resistance and rigidity combined with good resistance behaviour to electric tracking.

	Standard	Unit	Values	
			Dry	Conditioned
Generals				
Density	ISO 1183	gr /cm3	1,45	-
Melt Flow Index	ISO 1133	gr /10 min.	-	-
Humidity Pelets	ISO 1110	%	0,2	-
Hardness	SHORE D	Points	82	-
Mold Shrinkage	-	%	~0,4	-
Mechanical			Dry	Conditioned
Tensile Strength	ISO 527	N /mm2	155	-
Elongation at break	ISO 527	%	3	-
Tensile Modulus	ISO 527	N /mm2	9500	-
Charpy Impact	23 °C ISO 179	Kj / m2	55	-
	-40 °C ISO 179	Kj / m2	-	-
Charpy notched Impact	23 °C ISO 179	Kj / m2	11	-
	-40 °C ISO 179	Kj / m2	-	-
Electrical			Dry	Conditioned
Surface Resistivity	IEC 93	Ohm	10 ¹³	-
Dielectric strength	IEC 243	Kv / mm	25	-
Tracking Index (C.T.I.)	IEC 112	Kv / mm	600	-
Thermal			Dry	Conditioned
Deflection Temp.Under Load	0,4 N ISO 75 /A	°C	250	-
(H.D.T.)	1,8 N ISO 75 /A	°C	-	-
VICAT Temperature	ISO 306	°C	-	-
Others			Dry	Conditioned
UL-94 Flammability	UL-94	-	V-0	-
Glow Wire	IEC 695	°C	960	-
Flammability speed	FMV 302	mm / min.	<100	-
Ashes	Triesa Test	%	35	-
Water absorption (24h)	ISO 62	%	~1	-
Flame retardant			YES	-
Processing				
Drying Material	2h - 4h 100 °C			
Mold. Temperature	70 °C - 80 °C			
Processing Temperature	270 °C - 280 °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 measurements are doing in our lab according this norm