

Material data sheet

Article : STAR DURAVOLTA  File E354767

designation : PP with flame retardant, antimony-, chlorine- and bromine free according IEC 61249-2-21, heat stabilised

color : white

version : 29.03.2017

properties	standard	Method	unit	value
Density	ISO 1183		g/cm ³	1,09 +/- 0,02
halogenfree	IEC 61249-2-21			yes
tensile strength	ISO 527-2		N/mm ²	≥ 18
elongation at break	ISO 527-2		%	≥ 50
Impact strength	ISO 179	23°C	kJ/m ²	≥ 55
Notched impact strength	ISO 179	23°C	kJ/m ²	≥ 1,5
Flexural modulus	ISO 178		N/mm ²	≥ 2200
Flame retardant test	UL94 VTM	0,125-0,250mm	class	VTM-0
	UL-94 V	0,4 - 1,1 mm	class	V-0
HDT B	ISO 75		°C	112
RTI elec.	UL 746B		°C	120
CTI (Comperative Tracking Index)	ASTM D3638		class	0
HAI	UL 746A	0,4-1,1 mm	class	0
HWI	UL 746A	0,4-0,9 mm	class	2
	UL 746A	1,0 – 1,1 mm	class	0
Surface resistance	DIN IEC 93	0,4 mm	OHM	2,9*10 ¹³
	DIN IEC 93	1,0 mm	OHM	5,4*10 ¹³
Volume resistivity	DIN IEC 93	0,4 mm	OHMcm	> 4,5*10 ¹⁵
	DIN IEC 93	1,0 mm	OHMcm	> 1,8*10 ¹⁵
Dielectric strenght	DIN EN 60243-1	0,125 mm	kV/mm	56
	DIN EN 60243-2	0,4 mm	kV/mm	70

This information is based on experience and ist o be regarded as a guidance only. It is given without obligation. We recommend that the suitability of this product is checked fort he intended application by the customer.