

PRODUCT DATA SHEET

BAGGES TPP

RoHSII : The material is in compliance with EU directive 2011/65/EU (RoHS II)

Color : Dark brown

DIN 7735 : Hp2065

Components : Paper phenolic

Nema L1-1 : XX

EN 60893 : PF CP 21

Mechanical Properties	TestMethod	Value	Unit	Thickness	Note
Flexural strength	ISO 178	130	MPa	id > 100mm	*1
Compressive strength axial	ISO 604	140	MPa		*1
Cohesion between layers	IEC 61212-2 4.3	160	MPa	id < 100mm	*1
Physical Properties					
Density	IEC 1183-A	1,25	g/cm ³	All	*1
Water absorption	IEC 62/1	4,5	mg/cm ²	50x50x3 mm	*4
Electrical Properties					
Electric strength in oil at 90°C	IEC 60243-1	8,3	kV/mm perpendicular	B) 3,0 mm	*2
Electric strength in oil at 90°C	IEC 60243-1	25	kV/25mm parallel	B) 3,0 mm	*2
Permittivity 50 Hz	IEC 60250	5,0			*3
Permittivity 1 MHz	IEC 60250	-			-
Dissipation factor 50 Hz	IEC 60250	0,040			*3
Dissipation factor 1 MHz	IEC 60250	-			-
Insulation resistance after immersion in water 1MHz	IEC 60167	10	M Ω	A)	*4
Thermal Properties					
Thermal endurance index 20.000h (T.I)	IEC 60216	120	°C	≥ 3,0 mm	-

Characteristics and applications / Notes and Conditioning

Formechanical and electrical applications in low-voltage constructions. Good electrical properties at normal air humidity. Also used as winding tubes in the foil and metal foil industries. Carrier tubes for polishing brushes.

Characteristics and applications / Notes and Conditioning

Notes	*Conditioning
A) ID > 8mm and/or OD > 10mm	1: 24h/23°C/50%RH
B) Wall thickness	2: 24h/23°C/50%RH + 1h/Oil 90°C
C) 230 MPa measured at 150°C	3: 96h/105°C + 1h/23°C/20%RH
D) Wall thickness \geq 4,0mm	4: 24h/50°C + 24h/water 23°C
	5: 96h/105°C + 1h/Oil 90°C

The data mentioned in this data sheet is after our knowledge correct, but we reserve the right to make changes without notice.

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