








## Products - Sheets

## BAGGES SPP-2

<b>Components:</b>	Paper - Phenolic
<b>Colour:</b>	Black
<b>Serial No:</b>	035
<b>EN 60893:</b>	PF CP 203
<b>DIN 7735:</b>	Hp 2061

### Testmethod : EN 60893-2

Mechanical properties		Testmethod	Thickness	Value	Unit	
Flexural strength at RT		ISO 178	≥1,6 mm	170	MPa	* 1
Flexural strength at elevated temp.		ISO 178	≥1,6 mm	-	MPa	-
Modulus of elasticity		ISO 178	≥1,6 mm	8.000	MPa	* 1
Compressive strength		ISO 604	≥5,0 mm	320	MPa	* 1
Izod impact strength, parallel		ISO 180/2A	≥5,0 mm	3,5	kJ/m <sup>2</sup>	* 1
Shearing strength, parallel		EN 60893-2	≥5,0 mm	35	MPa	* 1
Tensile strength		ISO 527	≥1,6 mm	140	MPa	* 1
<b>Electrical properties</b>		<b>Testmethod</b>	<b>Thickness</b>	<b>Value</b>	<b>Unit</b>	
Electric strength in oil at 90°C		IEC 243-1	3,0 mm	4	kV/mm	* 2
Electric strength in oil at 90°C		IEC 243-1	≥3,0 mm	15	kV/25mm	* 2
Permittivity 50 Hz		IEC 250	≤3,0 mm	5,0		* 3
Permittivity 1 MHz		IEC 250	≤3,0 mm	-		-
Dissipation factor 50 Hz		IEC 250	≤3,0 mm	0,05		* 3
Dissipation factor 1 MHz		IEC 250	≤3,0 mm	-		-
Insulation resistance after immersion in water		IEC 167	Alle	100	MΩ	* 4
Comparative tracking index		IEC 112	≥3,0 mm	100	CTI	* 1
<b>Physical and thermal properties</b>		<b>Testmethod</b>	<b>Thickness</b>	<b>Value</b>	<b>Unit</b>	
Thermal endurance index 20.000 h		IEC 216	≥3,0 mm	120	T.I.	-
Flammability		IEC 707	3,0 mm	-	Kategori	-

Density	IEC 1183-A	Alle	1,35	g/cm <sup>3</sup>	* 1
Water absorption	IEC 62-1	50x50x3 mm	200	mg	* 4

### Characteristics and applications

Identical to Etronit IIQ but the material is black throughout. Elegant surface finish combined with good mechanical strength and electrical properties for use in low-voltage applications.

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#### Notes:

- A) Thickness > 8mm.
- B) Thickness ≥ 4,0mm
- C) 1 h/130°C / measured at 130°C
- D) 1 h/150°C / measured at 150°C
- E) 1 h/180°C / measured at 180°C
- F) 1 h/200°C / measured at 200°C

#### \* Conditioning:

- 1: 24h/23°C/50%RH
  - 2: 24h/23°C/50%RH + 1h/Oil 90°C
  - 3: 96h/105°C + 1h/23°C/20%RH
  - 4: 24h/50°C + 24h/WATER 23°C
  - 5: 96h/105°C + 1h/Oil 90°
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