ASEC



INSULATION MATERIAL AI-PFCC203

SKU: AIPFCC203

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Categories: Cotton fabric phenol

Features

- Can be machined to finer tolerances and finer surface.
- Suitable for smaller construction materials where high mechanical loads and strong wear occur.
- Strengthened with a finer cotton tissue.

Material
Phenol strengthened cotton fabric-based composite.

AI PF CC 203 is reinforced with a finer cotton fabric than AI PF CC 201. Also, well suited in particular for small components which are subject to mechanical load and wear. Can be machined to finer tolerances and smoother surface finish than AI PF CC 201.

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Availablity		Value	Unit
Sheet size		1250x1250/2500	mm
Sheet thickness		0.2-150	mm
Physical properties	**Test standard**	**Value**	**Unit**
Density		1.35	g/cm³
Max water absorption		< 1	%
Mechanical properties	**Test standard**	**Value**	**Unit**
Tensile strength @ 23°C		> 65	MPa
Comp. Strength, flatwise		> 300	MPa
Flexural strength @ 23°C		> 120	MPa
Charpy impact strength		> 11	kJ/m²
Shear strength		> 80	MPa
Insulation resistance		> 80	M-Ohms
Friction properties	**Test standard**	**Value**	**Unit**
Thermal endurance (T.I)		130	°C
Electrical properties	**Test standard**	**Value**	**Unit**
Resistance to tracking (CTI)		> 100	V
Breakdown Voltage		> 12	Kv

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