

APSOplast® PF CC 42 brown**Engineering Plastic Technology
Technical Data Sheet****Application purpose and characteristics**

For electrical insulating fittings and also for mechanically stressed components such as guidance, bushings and rollers.

The rods are made of phenolic resin and coiled cotton fabric, they are therefore not suitable for the production of gear wheels!

Good electrical insulating properties. High mechanical strength, very low creep under load.

Product description

Material name, long description	Phenolic resin cotton fabric
Material name, short description	PF CC 42
Material Code	PF CC 42.020-00
Density	1.25 - 1.4 g/cm³
Color	brown

Mechanical properties

Tensile strength	Test value: 50 MPa Test norm: DIN 53455
Flexural modulus of elasticity	Test value: ≥ 7000 MPa Test norm: DIN 53452
Bending strength	Test value: ≥ 100 MPa Test norm: DIN 53452 Test parameter: unmachined
Compressive strength	Test value: ≥ 80 N/mm² Test norm: DIN 53454 Test parameter: parallel to laminations
Impact strength	Test value: 15 kJ/m² Test norm: DIN 53453

Thermal properties

Thermal class	Test value: E Test norm: VDE 0534
Limit temperature	Test value: 120 °C Test norm: VDE 0304 Test parameter: Part 21

Electrical properties

Creep resistance	Test value: 100 - Test norm: IEC 112 Test parameter: CTI
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