# **APSOplast® PF CP 201**



## **Engineering plastics technology Technical Data Sheet**

### Application purpose and characteristics

for low voltage applications

good mechanical and electrical properties, good machinability and punching quality

Material name, short description	PF CP
Material name, based on technical standards	Phenolic resin laminated paper fabrics
Density	1.4 g/cm <sup>3</sup>
Color	brown
Compound code	PF CP 201.021-00

#### **Mechanical properties**

Tensile strength	120 N/mm² ISO 527
Flexural modulus of elasticity	9000 N/mm² ISO 178
Bending strength 1	150 N/mm² ISO 178
Compressive strength 1	300 N/mm <sup>2</sup> ISO 604 perpendicular to laminations
Compressive strength 2	150 N/mm <sup>2</sup> ISO 604 parallel to laminations
Impact strength	#ErrorkJ/m² DIN 53453 a^n 10 and a^n > 15

Electrical attributes	
Comparative tracking index	100 CTI IEC 112
Dielectric tension	15 kV IEC 60243 at 90 °C in oil parallel to laminations
Dielectric constant 1	5.5 IEC 250 at 50 Hz and 1 MHz
Dielectric strength 1	5 kV/mm IEC 60243 at 90 °C in oil perpendicular to laminations (thickness 3 mm)
Other attributes	

Water absorption

250 mg ISO 62-1

In compliance with RoHS and REACH directives. This information is based on our available data. These values are measured on standard test specimens and are within the normal tolerance range of material properties and do not represent guaranteed property values. Therefore they shall not be used for specification purposes. The customer is solely responsible for quality and suitability of material for his application. He has to test usage and processing prior to use. Angst+Pfister makes no guarantees for the suitability of the material for any given application and assumes no obligation or liability in connection with the information provided above.