

OVERVIEW TECHNICAL DATA

HP 2061

PF CP 201

NEMA XXP

Product description	resin-bound paper
Main applications	Electrical and thermal insulation parts for machine engineering and process industry
Delivery program	Sheets, panels and highly precise machined parts and finished components

Physical characteristics

Properties	Test Standard	Unit	Typical value
Specific gravity	ISO 1183	g/cm ³	1,4
Water absorption	ISO 62	%	5,2

Thermal characteristics

Properties	Test Standard	Unit	Typical value
Operating temperature	IEC 216	°C	120

Mechanical characteristics

Properties	Test Standard	Unit	Typical value
Compressive strength at 23 °C	ISO 604	N/mm ²	300
Flexural strength at 23 °C	ISO 178	N/mm ²	135
Modul of elasticity	ISO 178	N/mm ²	7000
Tensile strength	ISO 527	N/mm ²	120
Split load	EN 60893	N/mm ²	10

Electrical characteristics

Properties	Test Standard	Unit	Typical value
Comparative tracking index	IEC 112	-	CTI 100
Permittivity	DIN 53483	-	-
Electric strength (I)	IEC 243-1	KV/3 mm	-
Electric strength (II)	IEC 243-1	KV/25 mm	-
Brandschutzklasse	UL 94	-	-

Stand: 02/2018

The standard values shown in this data sheet are measured by standard test methods. Depending on operation terms and dimensions the material properties can differ from these values.

Please contact our applications and sales engineers to clarify the suitability of the material for your application.