



SWISS MADE PRECISION INSTRUMENTS
100% MANUFACTURED IN SWITZERLAND



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TECHNICAL DATASHEET

PLASTIC TYPE CP

Peek Tip (ESD Safe Peek Conductive)

Polyetheretherketone reinforced with carbon fibre

Excellent resistance to chemicals and aggressive agents, High heat capability (260-300° C)

MECHANICAL PROPERTIES

Flexural modulus + 23° C	21400 Mpa	ISO 178 ASTM D 790
Flexural strenght + 23° C	350 Mpa	ISO 178 ASTM D 790
Tensile modulus + 23° C	24000 Mpa	ISO 527 ASTM D 638
Tensile sternght + 23° C	190 Mpa	ISO 527 ASTM D 638
Izod-Impact strenght (notched) + 23° C	65 J/m	ISO 180/4A ASTM D 256

THERMAL PROPERTIES

Temp. Of defl. Under load (1.80 Mpa)	300° C	ISO 75 ASTM D 648
Continous Use Temperature	260° C	20'000 h
Short Time Temperature	300° C	-

ELECTRICAL PROPERTIES

Surface resistivity	10E3 – 10E5 Ohm	100V
Decay time	< 0,1 sec.	1000 – 10V

OTHER PROPERTIES

Density	1.39 g/ccm	ISO 1183
Water absorption in water 23° C (24h)	0.01%	ISO 62

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Technical information are provided to the best of Regine Switzerland SA knowledge and average values obtained from laboratory's test made on the material.

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