



SWISS MADE PRECISION INSTRUMENTS
100% MANUFACTURED IN SWITZERLAND



info@regine.ch
www.regine.ch

TECHNICAL DATASHEET

PLASTIC TYPE CO

CO (Copolymer static dissipative)

Carbon and glass fibers filled

Very hard, high heat capability (230-260°), excellent chemicals resistance, ESD Safe static dissipative

MECHANICAL PROPERTIES

Flexural modulus + 23° C	11700 Mpa	ASTM D 790
Flexural modulus + 60° C	10500 Mpa	ASTM D 790
Flexural modulus + 90° C	8500 Mpa	ASTM D 790
Flexural modulus + 120° C	6000 Mpa	ASTM D 790
Tensile modulus + 23° C	132 Mpa	ISO 527
Tensile modulus + 60° C	118 Mpa	ISO 527
Tensile modulus + 90° C	115 Mpa	ISO 527
Tensile modulus + 120° C	95 Mpa	ISO 527
Rockwell hardness M	99	ASTM D 785
Izod-Impact strenght (notched) + 23° C	75 J/m	ASTM D 256
Charpy-Impact strenght (unnotched) + 23° C	16 Kj/m ²	DIN 53453

THERMAL PROPERTIES

Temp. Of defl. Under load (1.80 Mpa)	263° C	ASTM D 648
Temp. Of defl. Under load (0.45 Mpa)	278° C	ASTM D 648
Vicat softening temperature (50° C/h 50N)	244° C	ISO 306
Coef. Of lin. Therm expansion, normal	2,80 E-5/° C	ASTM D 696
Continous Use Temperature	200° C	20'000 h
Short Time Temperature	230° C	-

ELECTRICAL PROPERTIES

Surface resistivity	10E6-10E7 Ohm	100V
---------------------	---------------	------

Regine Switzerland SA
P.O. Box 264
Viale Serfontana 11
CH-6834 Morbio Inferiore
Switzerland
tel +41 91 683 55 37
fax +41 91 683 93 91

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

Regine Switzerland SA declines all responsibility from an improper application or use of the product described in this documents.