

POLIPOM® (POM-C) ROD AND SHEET

Chemical designation

POLIPOM® (polyoxymethylene, polyacetal)

Colour

White
Black

Density

1,42 g/cm³

Features

- » good impact resistance
- » high dimensional stabilisation
- » low moisture absorption
- » low frictional coefficient
- » good chemical resistance

Applications

- » general applications
- » mechanical applications
- » industrial applications
- » home applications
- » customary applications

Mechanical Properties	Units	Values	Test Methods
Tensile strength	MPa	61	ISO 527
Tensile modulus	MPa	2400	ISO 527
Tensile strain at yield	%	11	ISO 527
Flexural modulus	MPa	2400	ISO 527
Charpy notch impact strength	kg/m ²	8,5	ISO 179

Thermal Properties	Units	Values	Test Methods
Melting temperature	°C	163	ISO 11357
DTUL	°C	91	ISO 75
Vicat softening temperature	°C	160	ISO 306
Service temperature, short term	°C	138	-
Service temperature, Cont.	°C	100/114	-
Service temperature, min	°C	-50	-

Other properties	Units	Values	Test Methods
Shore	Shore D	81	ISO 868
Water absorption	%	-	ISO 62
Saturation (23°C, water)	%	0,2	-

¹ Mechanical properties are the most part derived from raw material supplier data and other publications

** Specified values are average values of tests processed in Polimersan laboratories. These are for information and not product guarantee values.

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