

Multiplast POM-C GF25

Multiplast POM-C GF25 is Multiplast POM-C with a 25% glass filling is a glass reinforced polyacetal which has:

- Very high strength
- High Thermal dimensional stability

Properties	Units		
Modulus of elasticity (tensile test)	MPa	4200	
Tensile strength	MPa	51	
Tensile strength at yield	MPa	51	
Elongation at yield	%	9	
Elongation at break	%	12	
Modulus of elasticity (flexural test)	MPa	4100	
Flexural strength	MPa	88	
Compression modulus	MPa	3600	
Compressive strength (1% / 2%)	MPa	23 / 39	
Impact strength (Charpy)	kJ / m ²	36	
Notched impact strength (Charpy)	kJ / m ²	-	
Ball indentation hardness	MPa	180	
Glass transition temperature	°C	-60	
Melting temperature	°C	170	
Service temperature	short term	°C	140
	long term	°C	100
Thermal expansion	23 °C – 60 °C	10 ⁻⁵ K ⁻¹	8
	23 °C – 100 °C	10 ⁻⁵ K ⁻¹	8
Specific heat	J / (g x K)	1,2	
Thermal conductivity	W /m K	0,47	

Properties	Units	
Specific surface resistance	Ω	10^{14}
Specific volume resistance	$\Omega \times \text{cm}$	10^{14}
Dielectric strength	kV / mm	-
Resistance to tracking (CTI)	V	-
Water absorption 24 h / 96 h (@ 23 °C)	%	0,07 / 0,2
Resistance to hot water / bases	-	Limited resistance
Resistance to weathering	-	Poor resistance
Flammability	UL94	HB
Density	g/cm ³	1,59
Colour	-	White

Availability:

Sheet: On request

Rod: Length: 3000 mm (shorter lengths are possible)
Diameter: 20, 40, 60 and 100 mm

Cut pieces: On request

Parts: Finished products according to drawing