

CENTROTRON GF 40 / PPS GF 40

Product information	
Trade name:	CENTROTRON GF 40
Abbreviation ISO 1043:	PPS GF 40
Designation:	Polyphenylene sulfide 40 % glass fibre
Type of polymer:	Thermoplastic
Food compliance BfR:	o.r.
Food compliance FDA:	Yes
Colour:	Black

Short description
<p>During modification with PPS GF 40, the basic polyphenylene sulphide polymer is strengthened with 40% glass-fibres. The result is additional stiffness and higher strength of the binding material and an increase of heat resistance stability at the same time. The bending strength increases to 14.000 MPa. PPS GF 40-plastics are often used in the automotive branch or in aircraft construction.</p>

Properties		
➤ Density:	1.65 g/cm ³	ISO 1183
➤ Tensile modulus of elasticity:	14,000 MPa	ISO 527-2
➤ Specific surface resistance:	10 ¹⁵ Ohm	IEC 60093
➤ Temperature for usage in air (max. short term):	260 °C	

Field of use	Field of application
➤ Automotive industry	➤ Bearings
➤ Electrical industry	➤ Sealing rings
➤ Mechanical engineering	
➤ Medical technology	
➤ Plastics industry	
➤ More industries	

Delivery program	
 Rods	20 – 70 mm
 Plates	10 – 60 mm
 Tubes	on request

Stock lengths:	1,000 mm 3,000 mm
Width:	610 mm
Tolerance length:	0% to +3%
Tolerance width:	+1% to +4%
<i>Additional dimensions available on request.</i>	