

CENTROPHEN GF / PPE GF 30

Product information	
Trade name:	CENTROPHEN GF
Abbreviation ISO 1043:	PPE GF 30
Designation:	Polyphenyle ether 30 % glass fibre
Type of polymer:	Thermoplastic
Food compliance BfR:	No
Food compliance FDA:	No
Colour:	Natural

Short description
<p>During the modification with PPE GF 30, the basic polyphenyle ether polymer is reinforced with 30% glass-fibres. This leads to stiffness and increased resistance in the binding substance and an increased heat distortion resistance at the same time. The impact resistance is decreased, the tensile and bending strength is increased to 8.000 and/or 6.000 MPa. PPE GF 30-plastics are often used as electronics housings or valve pistons.</p>

Properties		
➤ Density:	1.30 g/cm ³	ISO 1183
➤ Tensile modulus of elasticity:	8,000 MPa	ISO 527-2
➤ Specific surface resistance:	10 ¹⁵ Ohm	IEC 60093
➤ Temperature for usage in air (max. short term):	-	

Field of use	Field of application
➤ Automotive industry	➤ Electronic housings
➤ Electrical industry	➤ Support pistons
➤ Mechanical engineering	➤ Valve roller
➤ Medical technology	
➤ Plastics industry	
➤ More industries	

Delivery program	
 Rods	10 – 125 mm
 Plates	10 – 60 mm
 Tubes	on request
Stock lengths:	1,000 mm 3,000 mm
Width:	500 mm
Tolerance length:	0% to +3%
Tolerance width:	+1% to +4%
<i>Additional dimensions available on request.</i>	