

PBT – Polybutyleneterephthalate PBT-I GF30

PRECITE® P3 GF 30 4 LA black (7682)

Tensile modulus

8200 MPa

1 mm/min

ISO 527-2

Stress at break

105 MPa

5 mm/min

ISO 527-2

Charpy impact strength

75 kJ/m²

23°C

ISO 179-1/1eU

PRECITE®P3 GF 30 4 LA black (7682) is a 30% glass fibre reinforced, hydrolysis stabilised polybutylene terephthalate (PBT) with high stiffness and toughness as well as high dimensional stability and chemical resistance. Laser markable grade

Typical applications

Technical and precision parts in automobile, industrial, E/E and appliances industry. Especially in humid environment



Mechanical Properties

Tensile modulus (1 mm/min ISO 527-2) d.a.m.	8200 MPa
Stress at break (5 mm/min ISO 527-2) d.a.m.	105 MPa
Strain at break (5 mm/min ISO 527-2) d.a.m.	4 %
Charpy impact strength (23°C ISO 179-1/1eU) d.a.m.	75 kJ/m ²
Charpy notched impact strength (23°C ISO 179-1/1eA) d.a.m.	20 kJ/m ²



Flammability

Burning rate (UL 94) 0,8mm Wall thickness	HB Class
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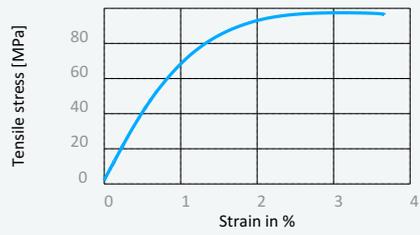
General properties

Density (23°C ISO 1183)	1,43 g/cm ³
Molding shrinkage (flow ISO 294-4)	0,2 - 0,4 %
Molding shrinkage (transverse ISO 294-4)	0,8 - 1,0 %

Disclaimer:

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Stress strain chart at 23°C



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