

PBT – Polybutyleneterephthalate PBT-I GF 15

PRECITE® P3 GF 15 4 black (7732)

Tensile modulus

4600 MPa

1 mm/min
ISO 527-2

Stress at break

80 MPa

5 mm/min
ISO 527-2

Charpy impact strength

60 kJ/m²

23°C
ISO 179-1/1eU

PRECITE®P3 GF 15 4 black (7732) is a 15% glass fibre reinforced, hydrolysis stabilised polybutylene terephthalate (PBT) with high stiffness and toughness as well as high dimensional stability and chemical resistance.

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.	4600 MPa
Stress at break (5 mm/min ISO 527-2) d.a.m.	80 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.	60 kJ/m ²
Charpy notched impact strength (23°C ISO 179-1/1eA) d.a.m.	14 kJ/m ²



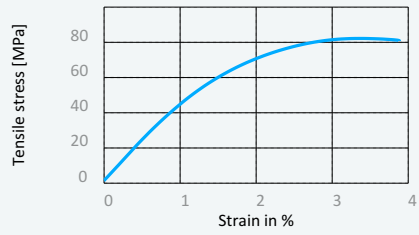
Flammability

Burning rate (UL 94) 0,8mm Wall thickness	HB Class
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Disclaimer:

All specifications and information given on this website are based on our current knowledge and experience. A legally binding promise of certain characteristics or suitability for a concrete individual case cannot be derived from this information. The information supplied here is not intended to release processors and users from the responsibility of carrying out their own tests and inspections in each concrete individual case. AKRO®, AKROMID®, AKROLEN®, AKROLOY®, AKROTEK®, ICX® and PRECITE® are registered trademarks of the Feddersen Group.

Stress strain chart at 0°C



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