

PA6.6 – Polyamide 6.6 PA66 GF15

AKROMID® A3 GF 15 9 EN natural (5139)

Tensile modulus

5400 MPa

1 mm/min

ISO 527-2

Stress at break

130 MPa

5 mm/min

ISO 527-2

Charpy impact strength

65 kJ/m²

23°C

ISO 179-1/1eU

AKROMID® A3 GF 15 9 EN natural (5139) is a 15% fibre reinforced, process improved, electrical neutral polyamide 6.6 with average stiffness and strength.

Typical applications

Components in mechanical engineering and the automotive industry.



Mechanical Properties

Tensile modulus (1 mm/min ISO 527-2) d.a.m.	5400 MPa
Stress at break (5 mm/min ISO 527-2) d.a.m.	130 MPa
Strain at break (5 mm/min ISO 527-2) d.a.m.	3,5 %
Charpy impact strength (23°C ISO 179-1/1eU) d.a.m.	65 kJ/m ²
Charpy notched impact strength (23°C ISO 179-1/1eA) d.a.m.	7 kJ/m ²



Thermal Properties

Melt temperature (DSC, 10K/min DIN EN 11357-1)	262 °C
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Flammability

Burning rate (UL 94) 0,8mm Wall thickness	HB Class
GWFI (IEC 60695-2-12) 1,6mm Wall thickness	650 °C
Burning rate (<100 mm/min) (> 1 mm Thickness FMVSS 302)	+



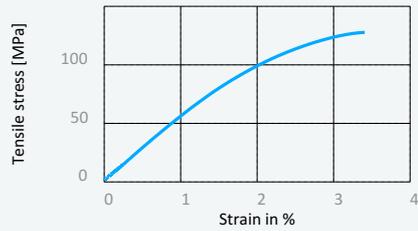
General properties

Density (23°C ISO 1183)	1,22 g/cm ³
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Disclaimer:

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Stress strain chart at 23°C



Notes

Electrically neutral compound that prevents build up of crystals on the positive side of a DC system. Suitable for electric vehicles (EV)

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