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PA6.6 – Polyamide 6.6 PA66 GF15

AKROMID® A3 GF 15 9 EN natural (5139)

Tensile modulus	Stress at break	Charpy impact strength
5400 MPa	**130 MPa**	**65 kJ/m²**
1 mm/min	**5 mm/min**	**23°C**
ISO 527-2	ISO 527-2	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/m²
Charpy notched impact strength (23°C | ISO 179-1/1eA) d.a.m.	7 kJ/m²

Thermal Properties

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

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/cm³

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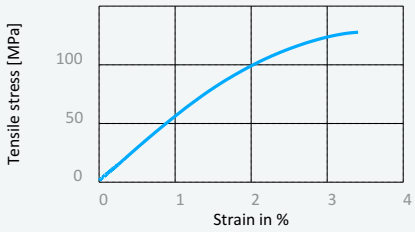
Stress strain chart at 23°C



Notes

Ellectrically neutral compound that prevents build up of chrystals on the positive side of a DC system. Suitabel for electric vehicles (EV)