

performanceplastics

Badamid A2 Nylon 66 Unreinforced Black

PROPERTIES

Mechanical Properties

		Standard	Unit	State	PA 66
Tensile E-Modulus	1 mm/min	ISO 527	MPa	dry cond	3200 1200
Tensile strength at yield	50 mm/min	ISO 527	MPa	dry cond	70 60
Elongation at break	50 mm/min	ISO 527	%	dry cond	≤40 ≤20
Impact Strength	Charpy 23°C	ISO 179/1-1eU	kJ/m ²	dry cond	No Break No Break
Notched impact strength	Charpy 23°C	ISO 179/1-1eA	kJ/m ²	dry cond	6 12

Thermal Properties

Melting point	DSC	ISO 11357	°C	dry	255-265
Heat deflection temperature HDT, 1.8 MPa		ISO 75	°C	dry	≤90
Heat deflection temperature HDT, 8.0 MPa		ISO 75	°C	dry	≤190

Electrical Properties

Dielectric constant		IEC 60250	kV/mm	dry cond	3.2 4.9
Comparative tracking index	CTI	IEC 60112	-	cond	600

General Properties

Density		ISO 1183	g/cm ³	dry	1.13±0.02
Flammability (UL94)	0.8mm	ISO 1210	-	-	HB
Water absorption	23°C/sat	ISO 62	%	-	8
Moisture absorption	23°C/50% r.h.	ISO 62	%	-	2
Linear mould shrinkage	long.	ISO 294	%	dry	0,75
Linear mould shrinkage	trans.	ISO 294	%	dry	1.2

The values quoted are the average of results obtained under laboratory conditions and are given only as an indication to enable customers to make use of our products.

Prospective users should determine the suitability of materials before adopting them on a commercial scale.

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