

Polyamide 6.6

HILLAMID A6600L BK

Base Polymer

Polyamide 66

Nylon

Filler/Additive

N/A

HILLAMID PA 66 Unfilled is an unreinforced Polyamide 66

Industry Uses

Engineering parts e.g plugs, fasteners

All data generated from specimens moulded in natural material, stored in a dry atmosphere (no more than 0.2% moisture). The inclusion of colour pigments or other additives may change some of the test results.

Properties	Test Method	Units	Value
Mechanical			
Tensile Strength	ISO 527	MPa	80
Elongation at break	ISO 527	%	40
Flexural Strength	ISO 178	MPa	80
Flexural Modulus	ISO 178	Gpa	2.8
Notched Charpy Impact	ISO 179/1eA	kJ/m2	NB
Unnotched Charpy Impact	ISO 179/1eU	kJ/m2	NB
Physical			
Specific gravity	ISO 1183	Kg/m3	1.13
Water absorption	ISO 62	%	1.7
Mould shrinkage (flow)	ISO 2577	%	1.5
Thermal			
Melting point	ISO 3146	°C	255
Deflection temperature	ISO 75	°C	-
		A 1.85 MPA	80
		A 0.46 MPA	195
Flammability			
UL94	ISO 7	Kg/m3	HB
Oxygen index	ISO 4589	%	-
Electrical			
Comparative tracking index	IEC 112	Volts	-
Volume resistivity	IEC 60093	Ohm	-
Surface resistivity	IEC 60093	Ohm	-

All technical information supplied is accurate and reliable to the best of our knowledge. However, as servicing and processing conditions are beyond our control. The information is given without warranty or guarantee and is intended for initial guidance or comparative purposes.

The buyer is responsible for assuring that the product is suitable for a particular application, implementation, and processing. All applicable government guidelines and regulations must be adhered to. No warranty or suggestions are given with regards to the products suitability for a particular application.