

Polyamide 6

**HILLAMID B600L BK**

Base Polymer

**Polyamide 6**

Nylon

Filler/Additive

**N/A**

**HILLAMID PA6** Unfilled is an unreinforced Polyamide 6

**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
<b>Mechanical</b>			
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
<b>Physical</b>			
Specific gravity	ISO 1183	Kg/m3	1.13
Water absorption	ISO 62	%	1.7
Mould shrinkage (flow)	ISO 2577	%	1.5
<b>Thermal</b>			
Melting point	ISO 3146	°C	255
Vicet Softening Point	ISO 12188	°C	201
Deflection temperature	ISO 75	°C	-
<b>Flammability</b>			
UL94	ISO 7	Kg/m3	HB
Oxygen index	ISO 4589	%	-
<b>Electrical</b>			
Comparative tracking index	IEC 112	Volts	-
Volume resistivity	IEC 60093	Ohm	-
Surface resistivity	IEC 60093	Ohm	-

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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.