

Technical datasheet
PRODUCT INFORMATION: Polyamide 66, Nylon 66, PA66 Injection

General Properties

Appearance	Granules
Color	Natural

Properties	Test Method	Unit	Nominal Value
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Physical properties

Bulk Density	ASTM D792	g/cm ³	1.14
Apparent density		kg/dm ³	0.6-0.7
Water content		%	≤ 0.6
Mould Shrinkage	ASTM D955	%	Parallel = 1.6
		%	Vertical = 1.7
Relative Viscosity	ASTM D1506	-	2.62-2.72

Mechanical properties

Tensile Strength at Break	ASTM D638	MPa	81
Elongation at Break	ASTM D638	%	46
Flexural Strength	ASTM D790	MPa	110
Flexural Modulus	ASTM D790	MPa	2580
Izod Impact, Notched	ASTM D256	kJ/m ²	5
Unnotched Izod impact	ASTM D256	kJ/m ²	No Break

Thermal properties

Melting point	ASTM D3418	°C	260
Heat Deflection Temperature	ASTM D648	°C	1.8 MPa = 71
			0.45 MPa = 220
Flammability(0.8mm)	UL94		V-2

Note:

The data in the table above is regards as average value for many groups of test result, not as a guarantee for products, the value in the table cannot be used for quality requirements, technical specifications and calculation. Production and operation and many factors will affect product performance. It is proposed to test products and get it measured to determine whether it is suitable for usage.



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