

Technical Brochure

Polyamide 6
UBE NYLON 1022B
Color : Natural

UBE INDUSTRIES,LTD.

Nylon Technical Group

Engineering Plastics Business Unit

Physical Properties of UBE NYLON 1022B

<Dry as mold>

Property		Grade		1022B
		ISO Identification Mark		>PA6<
		unit	method	
Density		g/cm ³	ISO 1183	1.14
Water absorption	23°C,50%RH	%	UBE method	2.5
Mold shrinkage	MD	%		1.4
	TD	%		1.5
Tensile strength		MPa	ISO 527-1,2	Y 80
Tensile strain at break		%		tB >50
Tensile modulus		GPa		2.8
Flexural strength		MPa	ISO 178	110
Flexural modulus		GPa		2.7
Charpy impact strength		kJ/m ²	ISO 179-1	5.0
Deflection Temp. under load	0.45MPa	°C	ISO 75-1,2	145
	1.8MPa	°C		60
Relative Viscosity (98% H ₂ SO ₄ , Conc. 1%)		—	JIS K 6920	3.60±0.10
(96% H ₂ SO ₄ , Conc. 1%)		—	JIS K 6810	3.36±0.10
Arc resistance		s	ASTM	118
C.T.I.		UL Index	UL746A	0
Relative permittivity		—	IEC 60250	3.5
Flammability class / thickness in mm			UL94	HB/0.79

The numerical data described in these written materials are average values obtained by measurement under prescribed conditions; they are not guaranteed values.

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