

UBE Nylon 1030B

Polyamide 6
UBE Industries, Ltd.

Message:
High viscosity (Extrusion)

General Information			
Features	High Viscosity		
Forms	Pellets		
Processing Method	Extrusion		
Part Marking Code	>PA6<		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow	1.2	%	
Flow	1.2	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	2.5	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2800	MPa	ISO 527-2
Tensile Stress (Yield)	80.0	MPa	ISO 527-2
Tensile Strain (Break)	> 50	%	ISO 527-2
Flexural Modulus	2700	MPa	ISO 178
Flexural Stress	110	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	5.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	145	°C	ISO 75-2/B
1.8 MPa, Unannealed	60.0	°C	ISO 75-2/A
CLTE - Flow	8.0E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value		Test Method
Relative Permittivity	3.50		IEC 60250
Comparative Tracking Index (CTI)	PLC 0		UL 746

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

