

UBE Nylon 1013IU50

Polyamide 6
UBE Industries, Ltd.

Message:
Impact resistant, heat stabilized, CaCl resistant

General Information			
Additive	Heat Stabilizer		
Features	Good Impact Resistance		
	Heat Stabilized		
Forms	Pellets		
Part Marking Code	>PA6-I<		
Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm ³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow	2.2	%	
Flow	1.7	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	1.8	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1800	MPa	ISO 527-2
Tensile Stress (Yield)	45.0	MPa	ISO 527-2
Tensile Strain (Break)	> 50	%	ISO 527-2
Flexural Modulus	1700	MPa	ISO 178
Flexural Stress	70.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	110	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	75.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	55.0	°C	ISO 75-2/A
CLTE - Flow	1.0E-4	cm/cm/°C	ISO 11359-2

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