

UBESTA 3014U

Polyamide 12
UBE Industries, Ltd.

Message:
Low viscosity (Injection)

General Information			
Features	Low Viscosity		
Forms	Pellets		
Processing Method	Injection Molding		
Part Marking Code	>PA12<		
Physical	Nominal Value	Unit	Test Method
Density	1.02	g/cm ³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow	0.90	%	
Flow	0.90	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	0.60	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	47.0	MPa	ISO 527-2
Tensile Strain (Break)	> 50	%	ISO 527-2
Flexural Modulus	1500	MPa	ISO 178
Flexural Stress	60.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	3.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	95.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	45.0	°C	ISO 75-2/A
CLTE - Flow	1.3E-4	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Electric Strength	30	kV/mm	IEC 60243-1
Relative Permittivity	2.90		IEC 60250
Arc Resistance	180	sec	ASTM D495

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