

UBESTA 3030XA

Polyamide 12

UBE America, Inc.

Message:

High viscosity (Extrusion)

General Information			
Features	Viscosity, High		
Forms	Particle		
Processing Method	Extrusion		
Part Marking Code	>PA12		
Physical	Nominal Value	Unit	Test Method
Density	1.02	g/cm ³	ISO 1183
Molding Shrinkage			Internal method
Vertical flow direction	1.5	%	Internal method
Flow direction	0.60	%	Internal method
Water Absorption (Equilibrium, 23°C, 50% RH)	0.70	%	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	59.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	18	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	90.0	°C	ISO 75-2/B
1.8 MPa, not annealed	45.0	°C	ISO 75-2/A
CLTE - Flow	1.3E-4	cm/cm/°C	ISO 11359-2

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