

UBE Nylon 1015GX78V

Polyamide 6

UBE Industries, Ltd.

Message:

Reinforced with glass fiber, heat and UV stabilized

General Information			
Filler / Reinforcement	Glass Fiber,33% Filler by Weight		
Additive	Heat Stabilizer		
	UV Stabilizer		
Features	Good UV Resistance		
	Heat Stabilized		
Forms	Pellets		
Part Marking Code	>PA6-GF33<		
Physical	Nominal Value	Unit	Test Method
Density	1.39	g/cm ³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow	0.70	%	
Flow	0.20	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	1.8	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9900	MPa	ISO 527-2
Tensile Stress (Break)	185	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	9800	MPa	ISO 178
Flexural Stress	285	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	11	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	220	°C	ISO 75-2/B
1.8 MPa, Unannealed	205	°C	ISO 75-2/A
CLTE - Flow	2.5E-5	cm/cm/°C	ISO 11359-2

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