

UBE Nylon 1015GC3

Polyamide 6

UBE Industries, Ltd.

Message:

Reinforced with glass fiber

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Forms	Pellets		
Part Marking Code	>PA6-GF15<		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm ³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow	0.70	%	
Flow	0.40	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	2.1	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5800	MPa	ISO 527-2
Tensile Stress (Break)	125	MPa	ISO 527-2
Tensile Strain (Break)	2.8	%	ISO 527-2
Flexural Modulus	5300	MPa	ISO 178
Flexural Stress	190	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	7.5	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	200	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating (0.750 mm)	HB		UL 94

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Recommended distributors for this material

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