

UBE Nylon 1015GU9

Polyamide 6

UBE Industries, Ltd.

Message:

Reinforced with glass fiber, heat stabilized

General Information			
Filler / Reinforcement	Glass Fiber,45% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Forms	Pellets		
Part Marking Code	>PA6-GF45<		
Physical	Nominal Value	Unit	Test Method
Density	1.50	g/cm ³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow	0.50	%	
Flow	0.10	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	1.3	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	14800	MPa	ISO 527-2
Tensile Stress (Break)	225	MPa	ISO 527-2
Tensile Strain (Break)	3.3	%	ISO 527-2
Flexural Modulus	14500	MPa	ISO 178
Flexural Stress	360	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	20	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	210	°C	ISO 75-2/A
CLTE - Flow	2.0E-5	cm/cm/°C	ISO 11359-2

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