

UBE Nylon 1015GC6

Polyamide 6
UBE Engineering Plastics, S.A.

Message:
Reinforced with glass fiber

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Forms	Particle		
Part Marking Code	>PA6-GF30		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm ³	ISO 1183
Molding Shrinkage			Internal method
Vertical flow direction	0.70	%	Internal method
Flow direction	0.20	%	Internal method
Water Absorption (Equilibrium, 23°C, 50% RH)	1.8	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9800	MPa	ISO 527-2
Tensile Stress (Break)	185	MPa	ISO 527-2
Tensile Strain (Break)	3.5	%	ISO 527-2
Flexural Modulus	9400	MPa	ISO 178
Flexural Stress	285	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	15	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	220	°C	ISO 75-2/B
1.8 MPa, not annealed	205	°C	ISO 75-2/A
CLTE - Flow	2.5E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Relative Permittivity	3.60		IEC 60250
Arc Resistance	121	sec	ASTM D495
Comparative Tracking Index (CTI)	PLC 1		UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.760 mm)	HB		UL 94

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