

Comco PA6G GLASS

Polyamide 6
Comco Nylon GmbH

Message:

Examples of application: For highly stressed parts whose dimensions should change little in use. No material for sliding elements.

General Information			
Filler / Reinforcement	Glass beads		
Appearance	Grey		
	Natural color		
Resin ID (ISO 1043)	PA 6 G		
Physical	Nominal Value	Unit	Test Method
Density	1.29	g/cm ³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	2.0	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	83		DIN 53505
Ball Indentation Hardness	200	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4000	MPa	ISO 527-2
Tensile Stress (Yield)	70.0	MPa	ISO 527-2
Tensile Strain (Break)	> 5.0	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	> 100	°C	ISO 75-2/A
Melting Temperature	218	°C	ISO 11357
CLTE - Flow (20 to 60°C)	6.0E-5	cm/cm/°C	
Specific Heat	1600	J/kg/°C	DIN 52612
Thermal Conductivity	0.27	W/m/K	DIN 52612
Service Temperature			
Long Term	-40 - 110	°C	
Short Term		°C	
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
3.0 mm	HB		UL 94
6.0 mm	V-2		UL 94

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