

Comco PA6G OL

Polyamide 6
Comco Nylon GmbH

Message:

Examples of application: Sliding Parts with higher sliding velocity, Sliding Plates, Cable Pulleys, etc.

General Information			
Additive	Lubricant		
Uses	Pulley		
Appearance	Black		
	Yellow		
	Blue		
	Green		
	Natural color		
Resin ID (ISO 1043)	PA 6 G		
Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	82		DIN 53505
Ball Indentation Hardness	165	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3300	MPa	ISO 527-2
Tensile Stress (Yield)	70.0	MPa	ISO 527-2
Tensile Strain (Break)	> 50	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	> 4.0	kJ/m²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	90.0	°C	ISO 75-2/A
Melting Temperature	213	°C	ISO 11357
CLTE - Flow (20 to 60°C)	8.0E-5	cm/cm/°C	
Specific Heat	1700	J/kg/°C	DIN 52612
Thermal Conductivity	0.25	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

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