

Comco PA 6 G PE

Polyamide 6
Comco-Plastic GmbH

Message:

Comco PA 6 G PE is a Polyamide 6 (Nylon 6) material. It is available in Europe. Primary attribute of Comco PA 6 G PE: Flame Rated.

General Information				
Appearance		Natural Color		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.14	--	g/cm ³	ISO 1183
Water Absorption				
Saturation, 23°C	5.5	--	%	
Equilibrium, 23°C, 50% RH	1.8	--	%	
Hardness	Dry	Conditioned	Unit	Test Method
Shore Hardness (Shore D)	81	--		ISO 868
Ball Indentation Hardness	150	--	MPa	ISO 2039-1
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	3400	1700	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	70.0	--	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	35	--	%	ISO 527-2
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	5.0	--	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	No Break	--		ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	80.0	--	°C	ISO 75-2/A
Melting Temperature	220	--	°C	
CLTE - Flow				
23 to 60°C	8.0E-5	--	cm/cm/°C	
23 to 100°C	9.0E-5	--	cm/cm/°C	
Thermal Conductivity	0.23	--	W/m/K	
Maximum Service Temperature				
in air continuously	110	--	°C	
in air for short periods	170	--	°C	
Service Temperature - Minimum	-40	--	°C	
Flammability	Dry	Conditioned		Test Method

Flame Rating			UL 94
3.00 mm	HB	--	
6.00 mm	HB	--	

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Recommended distributors for this material

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