

Comco PA 12 G

Polyamide 12
Comco-Plastic GmbH

Message:
Comco PA 12 G is a Polyamide 12 (Nylon 12) material. It is available in Europe.

General Information				
Appearance		Natural Color		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.03	--	g/cm ³	ISO 1183
Water Absorption				
Saturation, 23°C	1.5	--	%	
Equilibrium, 23°C, 50% RH	0.90	--	%	
Hardness	Dry	Conditioned	Unit	Test Method
Shore Hardness (Shore D)	74	--		ISO 868
Ball Indentation Hardness	100	--	MPa	ISO 2039-1
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	2100	1800	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	60.0	53.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	10	50	%	ISO 527-2
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact Strength	6.0	--	kJ/m ²	ISO 180/2A
Thermal	Dry	Conditioned	Unit	
Melting Temperature	190	--	°C	
Thermal Conductivity	0.25	--	W/m/K	
Maximum Service Temperature				
in air continuously	90	--	°C	
in air for short periods	150	--	°C	
Service Temperature - Minimum				
	-70	--	°C	
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	> 1.0E+13	--	ohms	IEC 60093
Volume Resistivity	> 1.0E+12	--	ohms·cm	IEC 60093
Relative Permittivity (100 Hz)	3.50	--		IEC 60250
Dissipation Factor (100 Hz)	0.038	--		IEC 60250
Comparative Tracking Index	600	--	V	IEC 60112

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