

Comco PA6G FOOD

Polyamide 6
Comco Nylon GmbH

Message:
Examples of application: applications in contact with food

General Information			
Uses	Non-specific food applications		
Appearance	Blue		
	Natural color		
Resin ID (ISO 1043)	PA 6 G		
Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	84		DIN 53505
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4000	MPa	ISO 527-2
Tensile Stress (Yield)	80.0	MPa	ISO 527-2
Tensile Strain (Break)	> 20	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	220	°C	ISO 11357
CLTE - Flow (20 to 55°C)	8.0E-5	cm/cm/°C	ISO 11359-2
Thermal Conductivity	0.26	W/m/K	DIN 52612
Service Temperature			
Long Term	-40 - 100	°C	
Short Term	-100 - 170	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
Dielectric Strength	25	kV/mm	IEC 60243-1
Dielectric Constant (50 Hz)	4.00		IEC 60250
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
3.0 mm	HB		UL 94
6.0 mm	HB		UL 94

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