

Comco PA 66 extruded

Polyamide 66

Comco-Plastic GmbH

Message:

Comco PA 66 extruded is a Polyamide 66 (Nylon 66) material. It is available in Europe for extrusion. Primary attribute of Comco PA 66 extruded: Flame Rated.

General Information				
Appearance	Black			
	Natural Color			
Processing Method		Extrusion		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.15	--	g/cm ³	ISO 1183
Water Absorption				
Saturation, 23°C	8.0	--	%	
Equilibrium, 23°C, 50% RH	2.4	--	%	
Water Absorption				ISO 62
after 24 h immersion in water : 23°C	40.0	--	mg	
after 96 h immersion in water : 23°C	76.0	--	mg	
Maximum Service Temperature				
in air continuously	95	--	°C	
in air for short periods	180	--	°C	
Service Temperature - Minimum	-30	--	°C	
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (M-Scale)	88	--		ISO 2039-2
Ball Indentation Hardness	160	--	MPa	ISO 2039-1
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	3450	1650	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	90.0	55.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	> 40	> 100	%	ISO 527-2
Tensile Creep Modulus ¹ (1000 hr)	20.0	8.00	MPa	ISO 899-1
Compressive Stress				ISO 604
5% Strain	92.0	--	MPa	
2% Strain	49.0	--	MPa	
1% Strain	25.0	--	MPa	

Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	4.5	--	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	No Break	--		ISO 179/1eU
Notched Izod Impact Strength	4.5	11	kJ/m ²	ISO 180/2A
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	85.0	--	°C	ISO 75-2/A
Melting Temperature	255	--	°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	0.28	--	W/m/K	
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	> 1.0E+13	> 1.0E+12	ohms	IEC 60093
Volume Resistivity	> 1.0E+14	> 1.0E+12	ohms·cm	IEC 60093
Electric Strength	27	18	kV/mm	IEC 60243-1
Relative Permittivity				IEC 60250
100 Hz	3.80	7.40		
1 MHz	3.30	3.80		
Dissipation Factor				IEC 60250
100 Hz	0.013	0.13		
1 MHz	0.020	0.060		
Comparative Tracking Index	600	600	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating				UL 94
3.00 mm	HB	--		
6.00 mm	V-2	--		
Oxygen Index	26	--	%	ISO 4589-2
NOTE				
1.	1% Strain			

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

