

Generic Nylon 6/12

Polyamide 6/12 Copolymer

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic Nylon 6/12
This information is provided for comparative purposes only.

General Information			
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.04 to 1.52	g/cm³	ISO 1183
Molding Shrinkage (23°C)	0.30 to 1.1	%	ISO 294-4
Water Absorption			ISO 62
Saturation, 23°C	1.6 to 9.0	%	
Equilibrium, 23°C, 50% RH	0.70 to 2.0	%	
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness	30.0 to 220	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	350 to 15500	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	115 to 185	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	3.5 to 50	%	ISO 527-2
Films	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-3
Yield, 23°C	27.9 to 30.0	MPa	
Break, 23°C	55.0 to 90.0	MPa	
Tensile Elongation			ISO 527-3
Yield, 23°C	9.9 to 15	%	
Break, 23°C	800 to 900	%	
Elmendorf Tear Strength	20 to 80	N	ISO 6383-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	15 to 17	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C)	75 to 90	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	104 to 180	°C	ASTM D794
Melting Temperature	130 to 215	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	1.0E+9 to 2.5E+12	ohms · cm	IEC 60093
Electric Strength (23°C)	36 to 37	kV/mm	IEC 60243-1

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