

Jieda PA612 Resin

Polyamide 612

Cixi Jieda Nanometer Compound Materials Co., LTD.

Message:

PA612 (Polyamide 612 or nylon 612) is a milky white to light yellow translucent solid made by the condensation polymerization of the neutralized salt of dodecanedioic acid and hexanediamine. General properties are similar to those of PA610 except it has better flexibility and dimensional stability, and has lower water absorption. End use applications include monofilaments, cables and ropes, coil skeletons, mechanical components, tool frames, ammunition boxes, etc.

General Information		
Features	Good dimensional stability	
	Good flexibility	
	Low or no water absorption	
Uses	monofilament	
	Electrical/Electronic Applications	
	Machine/mechanical parts	
	Rope	
Physical	Nominal Value	Unit
Density	1.09	g/cm ³
Water Absorption (Saturation)	0.40	%
Mechanical	Nominal Value	Unit
Tensile Modulus	200	MPa
Tensile Strength	62.0	MPa
Tensile Elongation (Break)	200	%
Impact	Nominal Value	Unit
Unnotched Izod Impact	54	J/m
Thermal	Nominal Value	Unit
Deflection Temperature Under Load (1.8 MPa, Unannealed)	60.0	°C
CLTE - Flow	5.0E-5	cm/cm/°C
Electrical	Nominal Value	Unit
Volume Resistivity	2.5E+15	ohms·cm

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