

Jieda PA610 Resin

Polyamide 610

Cixi Jieda Nanometer Compound Materials Co., LTD.

Message:

PA610 (Polyamide 610 or nylon 610) is an ivory-white to light yellow translucent solid made by the condensation polymerization of the neutralized salt of sebacic acid and hexanediamine. It has toughness, dimensional stability, wear resistance, oil and alkali resistance, low water absorption, and self-lubricating property. Processing methods of PA610 include extrusion, injection molding, and blow molding. End use applications include gears, bearings, cushions, sealants, insulators, electronic boards, thin films, filaments, etc.

General Information		
Features	Good dimensional stability	
	alkali resistance	
	Good wear resistance	
	Oil resistance	
	Good toughness	
	Low or no water absorption	
	Self-lubricating	
Uses	Films	
	Gear	
	Blow molding applications	
	Electrical/Electronic Applications	
	Sealant	
	Filament	
	Bearing	
Processing Method	Blow molding	
	Extrusion	
	Injection molding	
Physical	Nominal Value	Unit
Density	1.09	g/cm ³
Water Absorption (Saturation)	0.50	%
Mechanical	Nominal Value	Unit
Tensile Modulus	220	MPa
Tensile Strength	60.0	MPa
Tensile Elongation (Break)	200	%
Impact	Nominal Value	Unit
Unnotched Izod Impact	56	J/m
Thermal	Nominal Value	Unit

Deflection Temperature Under Load (1.8 MPa, Unannealed)	57.0	°C
CLTE - Flow	9.9E-5	cm/cm/°C
Electrical	Nominal Value	Unit
Volume Resistivity	4.0E+14	ohms·cm

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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

