

Shandong PA610 Type III

Polyamide 610

Shandong Guangyin New Materials Co., Ltd.

Message:

Features and Applications: Compared with nylon 6 and nylon 66, nylon 610 is much softer and lower in water absorption, featured by excellent low temperature resistance and dimensional stability. Due to oil and chemicals resistance and excellent electric performance, it belongs to self-extinguishing material and can be applicable to coating of bristlelike monofilaments of toothbrush and cables.

General Information	
Features	Good Chemical Resistance Good Dimensional Stability Good Electrical Properties Low Temperature Resistant Low to No Water Absorption Oil Resistant Self Extinguishing Soft
Uses	Cable Jacketing Coating Applications Filaments

Physical	Nominal Value	Unit	Test Method
Density	1.07 to 1.13	g/cm ³	ISO 1183
Viscosity	160.000 to 200.000	g/cm ³	
Granularity	30.0 to 50.0	N/g	
Loss on Drying	< 1.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	> 50.0	MPa	ISO 527-2
Tensile Strain (Break)	> 100	%	ISO 527-2
Flexural Stress	> 50.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	> 11	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	208 to 220	°C	ISO 3146

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