

Polylink Polymer P-51015-GF(N)

Polyamide 6
Polylink Polymers (India) Ltd.

Message:

Filled Nylon Compound are manufactured by compounding nylon 6 with specially treated chopped glass and modified with additives to make the compound suitable for high mechanical properties, and heat resistance.

Good Weathering resistance
Excellent chemical resistance.
Easy processibility.
Fast cycle time.
Easy mould release

General Information			
Features	Workability, good		
	Good chemical resistance		
	Good weather resistance		
	Good demoulding performance		
Uses	Gear		
	Connector		
	Knob		
	Bearing		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.13 - 1.15	g/cm ³	Internal method
Water Absorption (24 hr)	< 2.0	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness ¹ (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	39.2 - 58.8	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	4710 - 5100	MPa	ASTM D790
Flexural Strength	88.3 - 108	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	54 - 64	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	> 165	°C	ASTM D648
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0 - 100	°C	
Drying Time	2.0 - 4.0	hr	

Cylinder Zone 1 Temp.	190	°C
Cylinder Zone 2 Temp.	220	°C
Cylinder Zone 3 Temp.	230	°C
Cylinder Zone 4 Temp.	220	°C
Cylinder Zone 5 Temp.	220 - 240	°C

Extrusion instructions

Zone 6 : 80-95°CInjection Pressure : 750-1000 Kg/cm2

NOTE

1. Dev 5

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WECHAT