

# 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 <sup>3</sup>	Internal method
Water Absorption (24 hr)	< 2.0	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness <sup>1</sup> (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	Test Method
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°C Injection Pressure : 750-1000 Kg/cm<sup>2</sup>

**NOTE**

1. Dev 5

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

**Recommended distributors for this material**

**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

