

## Suzhou Hipro Polymers Hiprolon® 90 MC HLS G30 Nylon 612, 30% glass fiber filled

Category : Polymer , Thermoplastic , Nylon , Nylon 612 , Nylon 612, Glass Fiber Filler

### Material Notes:

Hiprolon® 90 MC HLS G30 is a polyamide 6.12 compound reinforced with 30% chopped glass fiber, and is used for injection molding.

Features: high dimension stability, chemical resistance, impact resistance; widely used for auto parts, quick connectors, housing et al; Information provided by Suzhou Hipro Polymers Co. Ltd

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Suzhou-Hipro-Polymers-Hiprolon-90-MC-HLS-G30-Nylon-612-30-glass-fiber-filled.php](http://www.lookpolymers.com/polymer_Suzhou-Hipro-Polymers-Hiprolon-90-MC-HLS-G30-Nylon-612-30-glass-fiber-filled.php)

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in <sup>3</sup>	ISO 1183
Water Absorption	0.80 %	0.80 %	ISO 62
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	normal; ISO 294-4,2577
Linear Mold Shrinkage, Flow	0.010 cm/cm	0.010 in/in	ISO 294-4,2577

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	137 MPa	19900 psi	ISO527-2/1A
Elongation at Break	5.0 %	5.0 %	ISO 527-2/1A
Tensile Modulus	7.80 GPa	1130 ksi	ISO 527-1/-2
Charpy Impact Unnotched	9.00 J/cm <sup>2</sup>	42.8 ft-lb/in <sup>2</sup>	ISO 179/1eU
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	9.00 J/cm <sup>2</sup>	42.8 ft-lb/in <sup>2</sup>	ISO 179/1eU
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	1.30 J/cm <sup>2</sup>	6.19 ft-lb/in <sup>2</sup>	ISO 179/1eA
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	2.00 J/cm <sup>2</sup>	9.52 ft-lb/in <sup>2</sup>	ISO 179/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	215 °C	419 °F	ISO 11357
Deflection Temperature at 0.46 MPa (66 psi)	213 °C	415 °F	ISO 75-1/2

Thermal Properties <small>Deflection Temperature at 1.8 MPa (104 psi)</small>	185 °C Metric	365 °F English	ISO 75-1/2 Comments
Vicat Softening Point	210 °C	410 °F	ISO 306
Flammability, UL94	HB	HB	IEC60695
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	HB	HB	IEC60695
	@Thickness 3.20 mm	@Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ISO 60695
Comparative Tracking Index	>= 600 V	>= 600 V	IEC 60112

Processing Properties	Metric	English	Comments
Melt Temperature	250 - 290 °C	482 - 554 °F	
Mold Temperature	60.0 - 110 °C	140 - 230 °F	
Drying Temperature	80.0 °C	176 °F	
Dry Time	4 hour	4 hour	
Injection Pressure	70.0 - 130 MPa	10200 - 18900 psi	

## Contact Songhan Plastic Technology Co.,Ltd.

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