

## Clariant PA612G30 Nylon 612, 30% Glass Fiber, Impact Modified

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

### Material Notes:

Data provided by Clariant Masterbatches

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Clariant-PA612G30-Nylon-612-30-Glass-Fiber-Impact-Modified.php](http://www.lookpolymers.com/polymer_Clariant-PA612G30-Nylon-612-30-Glass-Fiber-Impact-Modified.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.40 g/cc	1.40 g/cc	ASTM D792
Filler Content	40 %	40 %	ASTM D2584
Linear Mold Shrinkage, Flow	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	172 MPa	25000 psi	ASTM D638
Flexural Yield Strength	241 MPa	35000 psi	ASTM D790
Flexural Modulus	9.65 GPa	1400 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm @Temperature 22.8 °C	2.00 ft-lb/in @Temperature 73.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	225 °C	437 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	210 °C	410 °F	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	243 - 271 °C	470 - 520 °F	
Mold Temperature	79.4 - 107 °C	175 - 225 °F	
Injection Pressure	4.96 - 8.27 MPa	720 - 1200 psi	Secondary
	8.27 - 13.8 MPa	1200 - 2000 psi	Initial
Back Pressure	0.172 - 0.517 MPa	25.0 - 75.0 psi	
Shot Size	30 - 80 %	30 - 80 %	
Screw Speed	20 - 100 rpm	20 - 100 rpm	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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