

## Styron DLGF9411.00 Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

**Material Notes:**

Overview: DLGF 9400.00 is a 40% long glass fiber reinforced grade with good flow properties. The glass fibers (12 mm length) are coupled to the polypropylene matrix resulting in high stiffness and strength. Information provided by Styron

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Styron-DLGF941100-Polypropylene.php](http://www.lookpolymers.com/polymer_Styron-DLGF941100-Polypropylene.php)

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in <sup>3</sup>	ASTM D792; ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	135 MPa	19600 psi	50 mm/min, Injection Molded; ISO 527-2/50; ASTM D638
Elongation at Break	2.2 %	2.2 %	50 mm/min, Injection Molded; ISO 527-2/50; ASTM D638
Tensile Modulus	9.00 GPa	1310 ksi	Injection Molded; ASTM D638; ISO 527-2
Flexural Strength	200 MPa	29000 psi	ISO 178; ASTM D790
Flexural Modulus	9.25 GPa	1340 ksi	Method I (3 point load), Injection Molded; ISO 178; ASTM D790
Charpy Impact Unnotched	5.50 J/cm <sup>2</sup>	26.2 ft-lb/in <sup>2</sup>	Injection Molded; ISO 179/1fU
Charpy Impact, Notched	3.50 J/cm <sup>2</sup>	16.7 ft-lb/in <sup>2</sup>	Injection Molded; ISO 179/1eA
Multi-axial Impact @ -30 <sup>o</sup> C Total Energy	15.0 J @Thickness 3.00 mm, Temperature 23.0 <sup>o</sup> C	11.1 ft-lb @Thickness 0.118 in, Temperature 73.4 <sup>o</sup> F	Injection Molded, Ductile Failure; ISO 6603-2

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	160 <sup>o</sup> C	320 <sup>o</sup> F	Unannealed; ISO 75-2/A; ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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