

**DSM Stanyl® TQ261F5 PA46-GF25**

Category : Polymer , Thermoplastic , Nylon , Nylon 46 , Nylon 46, Glass Fiber Reinforced

**Material Notes:**

25% Glass Reinforced, Heat Stabilized

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DSM-Stanyl-TQ261F5-PA46-GF25.php](http://www.lookpolymers.com/polymer_DSM-Stanyl-TQ261F5-PA46-GF25.php)

Physical Properties	Metric	English	Comments
Density	1.34 g/cc	0.0484 lb/in <sup>3</sup>	dry; ISO 1183
Moisture Absorption	2.60 %	2.60 %	Sim. To ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	170 MPa	24700 psi	dry; ISO 527-1/-2
Elongation at Break	1.8 %	1.8 %	dry; ISO 527-1/-2
Tensile Modulus	8.00 GPa	1160 ksi	dry; ISO 527-1/-2
Flexural Modulus	7.40 GPa	1070 ksi	dry; ISO 178
Charpy Impact, Notched	1.00 J/cm <sup>2</sup> @Temperature 23.0 °C	4.76 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	dry; ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	295 °C	563 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 1.8 MPa (264 psi)	270 °C	518 °F	dry; ISO 75-1/-2

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