

DSM Stanyl® TW271F8 (PA46+PTFE)-GF40

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

Material Notes:

40% Glass Reinforced, Heat Stabilized, Wear and Friction Modified

Order this product through the following link:

http://www.lookpolymers.com/polymer_DSM-Stanyl-TW271F8-PA46PTFE-GF40.php

Physical Properties	Metric	English	Comments
Density	1.63 g/cc	0.0589 lb/in ³	dry; ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	210 MPa	30500 psi	dry; ISO 527-1/-2
Elongation at Break	3.0 %	3.0 %	dry; ISO 527-1/-2
Tensile Modulus	13.0 GPa	1890 ksi	dry; ISO 527-1/-2
Flexural Modulus	11.5 GPa	1670 ksi	dry; ISO 178
Izod Impact Resistance	1.40 J/cm ² @Temperature 23.0 °C	6.66 ft-lb/in ² @Temperature 73.4 °F	dry; ISO 180/1A
Charpy Impact, Notched	1.40 J/cm ² @Temperature 23.0 °C	6.66 ft-lb/in ² @Temperature 73.4 °F	dry; ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	290 °C	554 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 1.8 MPa (264 psi)	285 °C	545 °F	dry; ISO 75-1/-2

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