

DSM Stanyl® TW241F5 PA46-GF25

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

Material Notes:

Heat Stabilized, 25% Glass Reinforced

Order this product through the following link:

http://www.lookpolymers.com/polymer_DSM-Stanyl-TW241F5-PA46-GF25.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	dry; ISO 1183
Moisture Absorption	2.80 %	2.80 %	Sim. To ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	180 MPa	26100 psi	dry; ISO 527-1/-2
Elongation at Break	3.0 %	3.0 %	dry; ISO 527-1/-2
Tensile Modulus	9.00 GPa	1310 ksi	dry; ISO 527-1/-2
Flexural Modulus	7.50 GPa	1090 ksi	dry; ISO 178
Charpy Impact, Notched	0.800 J/cm ² @Temperature 23.0 °C	3.81 ft-lb/in ² @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)	280 °C	536 °F	dry; ISO 75-1/-2

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