

DSM Stanyl® TW271F6 (COND) Nylon 46 30% Glass Reinforced, Heat Stabilized, PTFE Lubricated (North America)

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

Material Notes:

Information provided by DSM Engineering Plastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DSM-Stanyl-TW271F6-COND-Nylon-46-30-Glass-Reinforced-Heat-Stabilized-PTFE-Lubricated-North-America.php

Physical Properties	Metric	English	Comments
Density	1.54 g/cc	0.0556 lb/in ³	(DAM); ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	110 MPa	16000 psi	ISO 527-1/-2
Elongation at Break	7.0 %	7.0 %	ISO 527-1/-2
Tensile Modulus	4.10 GPa	595 ksi	ISO 527-1/-2
Charpy Impact, Notched	1.50 J/cm ²	7.14 ft-lb/in ²	ISO 179/1eU

Thermal Properties	Metric	English	Comments
Melting Point	295 °C	563 °F	(DAM); ISO 11357-1/-3

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+7 ohm-cm	1.00e+7 ohm-cm	IEC 60093

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