

## DSM Stanyl® TW241F10 (COND) Nylon 46 50% Glass Reinforced, Heat Stabilized (North America)

Category : Polymer , Thermoplastic , Nylon , Nylon 46 , Nylon 46, 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-TW241F10-COND-Nylon-46-50-Glass-Reinforced-Heat-Stabilized-North-America.php](http://www.lookpolymers.com/polymer_DSM-Stanyl-TW241F10-COND-Nylon-46-50-Glass-Reinforced-Heat-Stabilized-North-America.php)

Physical Properties	Metric	English	Comments
Density	1.62 g/cc	0.0585 lb/in <sup>3</sup>	(DAM); ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	160 MPa	23200 psi	ISO 527-1/-2
Elongation at Break	5.0 %	5.0 %	ISO 527-1/-2
Tensile Modulus	10.0 GPa	1450 ksi	ISO 527-1/-2
Charpy Impact Unnotched	10.0 J/cm <sup>2</sup>	47.6 ft-lb/in <sup>2</sup>	ISO 179/1eU
	8.00 J/cm <sup>2</sup> @Temperature -30.0 °C	38.1 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 179/1eU
Charpy Impact, Notched	2.40 J/cm <sup>2</sup>	11.4 ft-lb/in <sup>2</sup>	ISO 179/1eU
	1.40 J/cm <sup>2</sup> @Temperature -30.0 °C	6.66 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	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+8 ohm-cm	1.00e+8 ohm-cm	IEC 60093
Dielectric Strength	20.0 kV/mm	508 kV/in	IEC 60243-1
Comparative Tracking Index	300 V	300 V	IEC 60112

### Contact Songhan Plastic Technology Co.,Ltd.

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