

DSM Stanyl® TW241F12 (COND) Nylon 46 60% Glass Reinforced, Heat Stabilized, High Flow (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-TW241F12-COND-Nylon-46-60-Glass-Reinforced-Heat-Stabilized-High-Flow-North-America.php

Physical Properties	Metric	English	Comments
Density	1.76 g/cc	0.0636 lb/in ³	(DAM); ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	170 MPa	24700 psi	ISO 527-1/-2
Elongation at Break	3.0 %	3.0 %	ISO 527-1/-2
Tensile Modulus	12.0 GPa	1740 ksi	ISO 527-1/-2
Charpy Impact Unnotched	10.0 J/cm ²	47.6 ft-lb/in ²	ISO 179/1eU
	8.00 J/cm ²	38.1 ft-lb/in ²	ISO 179/1eU
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	2.00 J/cm ²	9.52 ft-lb/in ²	ISO 179/1eU
	1.90 J/cm ²	9.04 ft-lb/in ²	ISO 179/1eU
	@Temperature -30.0 °C	@Temperature -22.0 °F	

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

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