

DSM Stanyl® TW363 (COND) Nylon 46 Heat Stabilized, Impact Modified (North America)

Category : Polymer , Thermoplastic , Nylon , Nylon 46 , Nylon 46, Unreinforced

Material Notes:

Information provided by DSM Engineering Plastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DSM-Stanyl-TW363-COND-Nylon-46-Heat-Stabilized-Impact-Modified-North-America.php

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in ³	(DAM); ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	45.0 MPa	6530 psi	ISO 527-1/-2
Elongation at Yield	>= 50 %	>= 50 %	Nominal; ISO 527-1/-2
Tensile Modulus	0.600 GPa	87.0 ksi	ISO 527-1/-2
Charpy Impact Unnotched	NB	NB	ISO 179/1eU
	NB	NB	ISO 179/1eU
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	12.5 J/cm ²	59.5 ft-lb/in ²	ISO 179/1eU
	3.00 J/cm ²	14.3 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

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+7 ohm-cm	1.00e+7 ohm-cm	IEC 60093
Dielectric Strength	15.0 kV/mm	381 kV/in	IEC 60243-1
Comparative Tracking Index	475 V	475 V	IEC 60112

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