

DSM Stanyl® TE250F3 Nylon 46-15% Glass Reinforced (European and Asian Grade) (Cond)

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

Material Notes:

Stanyl is a high performance polyamide providing good performance and value across a broad range of automotive and electronic applications. Stanyl offers: Highest mechanical properties at high temperatures Excellent resistance to wear and low friction Outstanding flow for easy processing and exceptional design freedom Stanyl High Flow grades that match the best flowing LCPs while maintaining a high level of mechanical properties Key Applications: Automotive: Powertrain components, Charge-air coolers, EPS and ETC gears, Motor Sensors, Auto connectors, Chain tensioners E&E: Connectors, Microswitches, Bobbins, Memory modules, Motor components, Industrial, Specialty films and fibers, Consumer appliances Information provided by DSM.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DSM-Stanyl-TE250F3-Nylon-46-15-Glass-Reinforced-European-and-Asian-Grade-Cond.php

Physical Properties	Metric	English	Comments
Density	1.52 g/cc	0.0549 lb/in ³	(DAM); ISO 1183
Moisture Absorption at Equilibrium	2.1 %	2.1 %	Humidity Absorption (DAM); Sim. to ISO 62
Linear Mold Shrinkage, Flow	0.010 cm/cm	0.010 in/in	DAM; ISO 294-4
	0.015 cm/cm	0.015 in/in	DAM; ISO 294-4

Thermal Properties	Metric	English	Comments
Melting Point	295 °C	563 °F	10°C/min (DAM); ISO 11357-1/-3
UL RTI, Electrical	130 °C @Thickness 1.50 mm	266 °F @Thickness 0.0591 in	UL746B
	130 °C @Thickness 0.900 mm	266 °F @Thickness 0.0354 in	UL746B
UL RTI, Mechanical with Impact	110 °C @Thickness 0.900 mm	230 °F @Thickness 0.0354 in	UL746B
	110 °C @Thickness 1.50 mm	230 °F @Thickness 0.0591 in	UL746B
UL RTI, Mechanical without Impact	110 °C @Thickness 0.900 mm	230 °F @Thickness 0.0354 in	UL746B
	120 °C @Thickness 1.50 mm	248 °F @Thickness 0.0591 in	UL746B

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	175 - 249 V	175 - 249 V	PLC 3; UL 746A

Descriptive Properties	Value	Comments
Flame Retardant	Yes	
Flame Retarding Agent	Yes	
Heat stabilized or stable to heat	Yes	
Injection molding	Yes	
Lubricants	Yes	
Platable	Yes	
Release Agent	Yes	
With Fillers	Yes	

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