

Stanyl® TE263F6

Polyamide 46
DSM Engineering Plastics

Message:

Stanyl® TE263F6 is a Polyamide 46 (Nylon 46) material filled with 30% glass fiber. It is available in North America.
Important attributes of Stanyl® TE263F6 are:
Heat Stabilizer
Impact Modified

General Information				
UL YellowCard		E43392-235035		
Filler / Reinforcement		Glass Fiber,30% Filler by Weight		
Additive		Heat Stabilizer		
		Impact Modifier		
Features		Heat Stabilized		
		Impact Modified		
Forms		Pellets		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.31	--	g/cm ³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	2.0	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress (Break)	140	85.0	MPa	ISO 527-2
Tensile Strain (Break)	5.0	10	%	ISO 527-2
Flexural Modulus	6300	3200	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact Strength				ISO 180/1A
-40°C	15	--	kJ/m ²	
23°C	20	--	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	280	--	°C	ISO 75-2/A
Melting Temperature ¹	295	--	°C	ISO 11357-3
CLTE				ISO 11359-2
Flow	2.0E-5	--	cm/cm/°C	
Transverse	8.0E-5	--	cm/cm/°C	
Injection	Dry	Unit		
Drying Temperature	80.0		°C	

Drying Time	4.0 to 8.0	hr
Rear Temperature	280 to 320	°C
Middle Temperature	300 to 320	°C
Front Temperature	300 to 320	°C
Nozzle Temperature	300 to 320	°C
Processing (Melt) Temp	305 to 320	°C
Mold Temperature	80.0 to 120	°C
Injection Rate	Moderate-Fast	
Back Pressure	2.00 to 10.0	MPa
Screw Compression Ratio	2.5:1.0	
NOTE		

1. 10°C/min

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Recommended distributors for this material

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