

Stanyl® TS256F8

Polyamide 46
DSM Engineering Plastics

Message:

Stanyl® TS256F8 is a Polyamide 46 (Nylon 46) material filled with 40% glass fiber. It is available in Asia Pacific.
Important attributes of Stanyl® TS256F8 are:
Flame Rated
Flame Retardant
Low Moisture Absorption

General Information				
UL YellowCard		E47960-240070	E172082-225875	
Filler / Reinforcement		Glass Fiber,40% Filler by Weight		
Additive		Flame Retardant		
Features		Flame Retardant		
		Low Moisture Absorption		
Forms		Pellets		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.65	--	g/cm³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	1.3	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	14000	11000	MPa	ISO 527-2
Tensile Stress (Break)	180	145	MPa	ISO 527-2
Tensile Strain (Break)	1.5	2.0	%	ISO 527-2
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	8.0	8.0	kJ/m²	
23°C	8.0	10	kJ/m²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	290	--	°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	7.0E-5	--	cm/cm/°C	
Flammability	Dry	Conditioned	Test Method	
Flammability Classification				IEC 60695-11-10, -20
0.750 mm	V-0	--		
1.50 mm	V-0	--		

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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