

TRIBOCOMP® PA6 TS13

Polyamide 6
EPIC Polymers

Message:

TRIBOCOMP® PA6 TS13 is a Polyamide 6 (Nylon 6) product. It is available in Europe.

General Information				
Physical	Dry	Conditioned	Unit	Test Method
Density	1.11	--	g/cm ³	ISO 1183
Molding Shrinkage - Flow	1.2	--	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	2.4	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	2800	1100	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	60.0	35.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	> 10	--	%	ISO 527-2
Flexural Modulus (23°C)	2400	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.0	--	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	55	--	kJ/m ²	ISO 179
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	65.0	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	180	--	°C	ISO 75-2/A
CLTE - Flow (23°C)	8.0E-5	--	cm/cm/°C	ISO 7991
Thermal Conductivity	0.24	--	W/m/K	ISO 22007
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+12	--	ohms	ASTM D257
Electric Strength	29	--	kV/mm	IEC 60243-1
Comparative Tracking Index	600	--	V	IEC 60112
Injection	Dry	Unit		
Drying Temperature	80.0		°C	
Drying Time	4.0		hr	
Suggested Max Moisture	0.10		%	
Rear Temperature	220 to 260		°C	
Middle Temperature	225 to 270		°C	
Front Temperature	230 to 280		°C	
Nozzle Temperature	230 to 290		°C	

Processing (Melt) Temp	< 320	°C
Mold Temperature	80.0 to 120	°C

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