

STAR-THERM® W A N

Polyamide 66

EPIC Polymers

Message:

STAR-THERM® W A N is a Polyamide 66 (Nylon 66) product. It is available in Europe.

General Information			
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.50	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.80	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	1.0	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	4500	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	55.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	5.0	%	ISO 527-2
Flexural Modulus (23°C)	4800	MPa	ISO 178
Flexural Stress (23°C)	75.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	25	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	200	°C	ISO 75-2/B
1.8 MPa, Unannealed	140	°C	ISO 75-2/A
Thermal Conductivity	10	W/m/K	ISO 22007
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	ASTM D257
Electric Strength	36	kV/mm	IEC 60243-1
Comparative Tracking Index	600	V	IEC 60112
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	270 to 300	°C	
Cylinder Zone 2 Temp.	270 to 300	°C	
Cylinder Zone 3 Temp.	285 to 310	°C	
Cylinder Zone 4 Temp.	285 to 320	°C	

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