

STAR-THERM® W A-2HT

Polyamide 66

EPIC Polymers

Message:

STAR-THERM® W A-2HT is a Polyamide 66 (Nylon 66) product. It is available in Europe.

Characteristics include:

Conductive

Heat Stabilizer

Insulating

Lubricated

General Information			
Additive	Heat Stabilizer		
	Lubricant		
Features	Electrically Insulating		
	Heat Stabilized		
	Thermally Conductive		

Physical	Nominal Value	Unit	Test Method
Density	1.56	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.25	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	1.0	%	ISO 62

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	12500	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	155	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.0	%	ISO 527-2
Flexural Modulus (23°C)	12500	MPa	ISO 178
Flexural Stress (23°C)	180	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	15	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	55	kJ/m ²	ISO 179

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	255	°C	ISO 75-2/B
1.8 MPa, Unannealed	253	°C	ISO 75-2/A
Thermal Conductivity	3.5	W/m/K	ISO 22007

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	IEC 60093
Electric Strength	35	kV/mm	IEC 60243-1
Comparative Tracking Index	500	V	IEC 60112

Injection	Nominal Value	Unit
Drying Temperature	110	°C
Drying Time	4.0	hr
Suggested Max Moisture	0.10	%
Rear Temperature	270 to 300	°C
Middle Temperature	270 to 300	°C
Front Temperature	285 to 310	°C
Nozzle Temperature	285 to 320	°C
Processing (Melt) Temp	< 310	°C
Mold Temperature	80.0 to 160	°C

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