

Therma-Tech™ TT6600-5001-8 EC Grey

Polyamide 66
PolyOne Corporation

Message:

Therma-Tech™ Thermal Management Compounds have been engineered to combine the heat transfer and cooling capabilities of metals with the design freedom, weight reduction and cost advantages of thermoplastics. These materials provide the benefits of proprietary conductive additive technologies and the performance of select engineering thermoplastic resins. Therma-Tech compounds have been shown to improve thermal conductivity up to 100-times that of conventional plastics and can be used in a wide range of thermal management applications.

General Information			
Features	Conductivity		
	Heat conduction		
Uses	Electrical/Electronic Applications		
	Industrial application		
	Parts under the hood of a car		
	Application in Automobile Field		
	Shell		
	Consumer goods application field		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.63	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.20 - 0.50	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break, 23°C)	60.0	MPa	ISO 527
Tensile Elongation ² (Break, 23°C)	1.0 - 2.0	%	ISO 527
Flexural Modulus ³ (23°C)	18400	MPa	ISO 178
Flexural Strength ⁴ (23°C)	97.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C, Injection Molded)	3.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C, Injection Molded)	6.0	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	250	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+3 - 1.0E+4	ohms	IEC 60093
Injection	Nominal Value	Unit	
Drying Temperature	80	°C	

Drying Time	4.0	hr
Suggested Max Moisture	0.20	%
Processing (Melt) Temp	280 - 320	°C
Mold Temperature	80 - 120	°C

NOTE

- | | |
|----|------------------|
| 1. | Type 1, 50mm/min |
| 2. | Type 1, 50mm/min |
| 3. | 10 mm/min |
| 4. | 10 mm/min |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT