

LNP™ COLORCOMP™ W10009I compound

Polybutylene Terephthalate
SABIC Innovative Plastics Europe

Message:

LNP THERMOCOMP W10009I is a compound based on Polybutylene Terephthalate resin containing Flame Retardant.

General Information			
Features	Flame Retardant		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.39	g/cm ³	ISO 1183
Molding Shrinkage - Flow	2.3	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1900	MPa	ISO 527-2/1
Tensile Stress (Yield)	42.0	MPa	ISO 527-2/5
Tensile Strain (Yield)	4.2	%	ISO 527-2/5
Flexural Modulus ¹	1900	MPa	ISO 178
Flexural Stress	68.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	7.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	130	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, Unannealed, 64.0 mm Span	201	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	60.0	°C	ISO 75-2/Af
Flammability	Nominal Value	Test Method	
Flame Rating (1.60 mm, Testing by SABIC)	V-0	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.050	%	
Rear Temperature	232 to 243	°C	
Middle Temperature	243 to 254	°C	
Front Temperature	249 to 260	°C	
Processing (Melt) Temp	243 to 260	°C	
Mold Temperature	82.2 to 98.9	°C	
Back Pressure	0.172 to 0.344	MPa	
Screw Speed	30 to 60	rpm	
NOTE			

1.	2.0 mm/min
2.	80*10*4
3.	80*10*4
4.	80*10*4 mm

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

