

LNP™ THERMOCOMP™ WX93111 compound

Polybutylene Terephthalate

SABIC Innovative Plastics Europe

Message:

LNP THERMOCOMP WX93111 is a compound based on Polybutylene Terephthalate resin containing Flame retardant , Glass Fiber, Proprietary filler. Added features include : Improved CTI.

General Information			
Filler / Reinforcement	Glass Fiber		
	Proprietary		
Features	Flame Retardant		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.80	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.30	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8900	MPa	ISO 527-2/1
Tensile Stress (Break)	43.0	MPa	ISO 527-2/5
Tensile Strain (Break)	0.60	%	ISO 527-2/5
Flexural Modulus ¹	8900	MPa	ISO 178
Flexural Stress	244	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	4.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	5.0	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed, 64.0 mm Span)	135	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	3.4E-5	cm/cm/°C	
Transverse : 23 to 60°C	7.7E-5	cm/cm/°C	
Flammability	Nominal Value		Test Method
Flame Rating (3.00 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	

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