

LNP™ THERMOCOMP™ LF002XXP-WT02005

compound

Polyetheretherketone

SABIC Innovative Plastics Europe

Message:

LNP* THERMOCOMP* LF002XXP-WT02005 is a compound based on Polyetheretherketone resin containig Glass Fiber. Added Features include: custom color.

Also known as: LNP* THERMOCOMP* Compound LF-1002 WT-020-05

Product reorder name: LF002XXP-WT02005

General Information			
Filler / Reinforcement	Glass Fiber		
RoHS Compliance	RoHS Compliant		
Appearance	Colors Available		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.88	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.40 to 0.60	%	Internal Method
Water Absorption (23°C, 24 hr)	0.040	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8550	MPa	ISO 527-2/1
Tensile Stress (Break)	110	MPa	ISO 527-2/5
Tensile Strain (Yield)	2.6	%	ISO 527-2/5
Flexural Modulus ¹	7500	MPa	ISO 178
Flexural Stress	170	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	5.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	30	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed, 64.0 mm Span)	179	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	2.8E-5	cm/cm/°C	
Transverse : 23 to 60°C	4.2E-5	cm/cm/°C	
Injection	Nominal Value	Unit	
Drying Temperature	121 to 149	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.10	%	
Rear Temperature	349 to 360	°C	
Middle Temperature	366 to 377	°C	

Front Temperature	382 to 393	°C
Processing (Melt) Temp	382 to 388	°C
Mold Temperature	138 to 166	°C
Back Pressure	0.344 to 0.689	MPa
Screw Speed	60 to 100	rpm

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

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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

