

LNP™ THERMOCOMP™ ZFM3314 compound

Polyphenylene Ether

SABIC Innovative Plastics Europe

Message:

glass, mineral filled PPE

Also known as: LNP* THERMOCOMP* Compound ZFM3314

Product reorder name: ZFM3314

General Information			
Filler / Reinforcement	Glass\Mineral		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/5.0 kg)	17.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6100	MPa	ISO 527-2/1
Tensile Stress (Break)	95.0	MPa	ISO 527-2/5
Tensile Strain (Break)	2.1	%	ISO 527-2/5
Flexural Modulus ¹	5800	MPa	ISO 178
Flexural Stress	145	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	7.2	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	25	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed, 64.0 mm Span)	170	°C	ISO 75-2/Af
Vicat Softening Temperature	179	°C	ISO 306/B120
CLTE			ISO 11359-2
Flow : 23 to 60°C	3.2E-5	cm/cm/°C	
Transverse : 23 to 60°C	6.2E-5	cm/cm/°C	
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	2.0 to 8.0	hr	
Drying Time, Maximum	8.0	hr	
Suggested Max Moisture	0.020	%	
Suggested Shot Size	30 to 70	%	
Rear Temperature	260 to 304	°C	
Middle Temperature	271 to 310	°C	
Front Temperature	282 to 316	°C	

Nozzle Temperature	293 to 316	°C
Processing (Melt) Temp	293 to 316	°C
Mold Temperature	76.7 to 104	°C
Back Pressure	0.345 to 0.689	MPa
Screw Speed	20 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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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

