

LNP™ THERMOCOMP™ PCAF04FRHH

compound

Polycarbonate + ABS

SABIC Innovative Plastics Europe

Message:

LNP* THERMOCOMP* PCA04FRHH is a 20 % glass reinforced PC+ABS blend without chlorinated or brominated flame retardants. LNP* THERMOCOMP* complies with the material requirements as specified in TCO"99 and Blue Angel ecolabels.

General Information			
UL YellowCard	E45329-101284052		
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	8.50	cm ³ /10min	ISO 1133
Molding Shrinkage			Internal Method
Flow	0.20 to 0.40	%	
Across Flow	0.30 to 0.50	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6200	MPa	ISO 527-2/1
Tensile Stress (Break)	85.0	MPa	ISO 527-2/5
Flexural Modulus ¹	5800	MPa	ISO 178
Flexural Stress	130	MPa	ISO 178
Flexural Strain at Break ²	2.5	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	23	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed, 100 mm Span)	118	°C	ISO 75-2/Ae
Vicat Softening Temperature	130	°C	ISO 306/B120
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	150	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-0		UL 94
Glow Wire Flammability Index (1.50 mm)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (1.50 mm)	825	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	

Drying Time	2.0 to 4.0	hr
Suggested Max Moisture	0.020	%
Hopper Temperature	60.0 to 80.0	°C
Rear Temperature	200 to 230	°C
Middle Temperature	220 to 260	°C
Front Temperature	230 to 270	°C
Nozzle Temperature	220 to 260	°C
Processing (Melt) Temp	230 to 270	°C
Mold Temperature	50.0 to 70.0	°C

NOTE

- | | |
|----|-------------|
| 1. | 2.0 mm/min |
| 2. | 2 mm/min |
| 3. | 80*10*4 |
| 4. | 120*10*4 mm |

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