

# LNP™ THERMOCOMP™ DF0049 compound

Polycarbonate  
SABIC Innovative Plastics

Message:

LNP THERMOCOMP\* DF0049 is a compound based on Polycarbonate resin containing 20% Glass Fiber. Added features of this material include: Flame Retardant.

Also known as: LNP\* THERMOCOMP\* Compound DF-1004 FR

Product reorder name: DF0049

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Flame Retardant		
Processing Method	Injection Molding		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus <sup>1</sup>	6630	MPa	ASTM D638
Tensile Strength (Break)	103	MPa	ASTM D638
Tensile Elongation (Break)	2.8	%	ASTM D638
Flexural Modulus	6600	MPa	ASTM D790
Flexural Strength	172	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	96	J/m	ASTM D256
Unnotched Izod Impact (23°C)	820	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	143	°C	ASTM D648
CLTE - Flow (-40 to 40°C)	2.5E-5	cm/cm/°C	ASTM E831
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	293 to 304	°C	
Middle Temperature	310 to 321	°C	
Front Temperature	321 to 332	°C	
Processing (Melt) Temp	304 to 327	°C	
Mold Temperature	82.2 to 110	°C	
Back Pressure	0.172 to 0.344	MPa	
Screw Speed	30 to 60	rpm	
NOTE			
1.	50 mm/min		

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Recommended distributors for this material

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