

# LNP™ THERMOCOMP™ DC0049XF compound

Polycarbonate

SABIC Innovative Plastics

## Message:

LNP THERMOCOMP DC0049XF is a compound based on Polycarbonate resin containing Flame Retardant, Carbon Fiber. Added features of this material include: Electrically Conductive, , Flame Retardant.

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

Product reorder name: DC0049XF

General Information			
Filler / Reinforcement	Carbon fiber reinforced material		
Features	Conductivity		
	Flame retardancy		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus <sup>1</sup>	11700	MPa	ASTM D638
Tensile Strength (Break)	124	MPa	ASTM D638
Tensile Elongation (Break)	1.8	%	ASTM D638
Flexural Modulus	11000	MPa	ASTM D790
Flexural Strength	193	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	64	J/m	ASTM D256
Unnotched Izod Impact (23°C)	430	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	137	°C	ASTM D648
NOTE			

1. 50 mm/min

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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



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