

# LNP™ THERMOCOMP™ OC006 compound

Linear Polyphenylene Sulfide

SABIC Innovative Plastics

Message:

LNP THERMOCOMP OC006 is a compound based on PPS-Linear resin containing 30% Carbon Fiber. Added features of this material include: Electrically Conductive.  
Also known as: LNP\* THERMOCOMP\* Compound OC-1006  
Product reorder name: OC006

General Information			
UL YellowCard	E121562-101284689		
Filler / Reinforcement	Carbon Fiber,30% Filler by Weight		
Features	Electrically Conductive		
	Linear Polymer Structure		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus <sup>1</sup>	23900	MPa	ASTM D638
Tensile Strength (Break)	186	MPa	ASTM D638
Tensile Elongation (Break)	1.2	%	ASTM D638
Flexural Modulus	21200	MPa	ASTM D790
Flexural Strength	283	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	75	J/m	ASTM D256
Unnotched Izod Impact (23°C)	640	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	108	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	121 to 149	°C	
Drying Time	4.0	hr	
Rear Temperature	304 to 316	°C	
Middle Temperature	321 to 332	°C	
Front Temperature	332 to 343	°C	
Processing (Melt) Temp	316 to 321	°C	
Mold Temperature	138 to 166	°C	
Back Pressure	0.172 to 0.344	MPa	
Screw Speed	30 to 60	rpm	
NOTE			

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#### Recommended distributors for this material

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