

# LNP™ THERMOCOMP™ DX06411 compound

Polycarbonate  
SABIC Innovative Plastics

Message:

LNP THERMOCOMP DX06411 is a compound based on Polycarbonate resin containing 20% Glass Fiber. Added features of this material include: Easy Molding, Mold Release, Healthcare.  
Also known as: LNP\* THERMOCOMP\* Compound DF-1004 EM MR HC  
Product reorder name: DX06411

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Mold Release		
Features	Good Mold Release		
	Good Moldability		
Uses	Medical/Healthcare Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus <sup>1</sup>	5740	MPa	ASTM D638
Tensile Strength (Break)	82.7	MPa	ASTM D638
Tensile Elongation (Break)	4.2	%	ASTM D638
Flexural Modulus	5650	MPa	ASTM D790
Flexural Strength	145	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	64	J/m	ASTM D256
Unnotched Izod Impact (23°C)	750	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	138	°C	ASTM D648
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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