

LNP™ THERMOCOMP™ DX06094 compound

Polycarbonate

SABIC Innovative Plastics Europe

Message:

LNP THERMOCOMP DX06094 is a compound based on Polycarbonate resin containing Glass Fiber . Added features include: High Impact, Non-Brominated & Non-Chlorinated Flame Retardant and Mold Release. UL listing for BK only.

General Information			
UL YellowCard	E45329-101358129		
Filler / Reinforcement	Glass Fiber		
Additive	Mold Release		
Features	Bromine Free		
	Chlorine Free		
	Flame Retardant		
	High Impact Resistance		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.42	g/cm³	ISO 1183
Molding Shrinkage - Flow	0.22	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9000	MPa	ISO 527-2/1
Tensile Stress (Break)	145	MPa	ISO 527-2/5
Tensile Strain (Break)	3.0	%	ISO 527-2/5
Flexural Modulus ²	8500	MPa	ISO 178
Flexural Stress ³			ISO 178
-- ⁴	206	MPa	
-- ⁵	208	MPa	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ⁶ (23°C)	12	kJ/m²	ISO 180/1A
Unnotched Izod Impact Strength ⁷ (23°C)	48	kJ/m²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁸ (1.8 MPa, Unannealed, 64.0 mm Span)	138	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	2.3E-5	cm/cm/°C	
Transverse : 23 to 60°C	6.9E-5	cm/cm/°C	
Flammability	Nominal Value		Test Method
Flame Rating (3.00 mm)	V-0		UL 94
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. | Molded |
| 2. | 2.0 mm/min |
| 3. | 2.0 mm/min |
| 4. | Break |
| 5. | Yield |
| 6. | 80*10*4 |
| 7. | 80*10*4 |
| 8. | 80*10*4 mm |

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