

LNP™ THERMOCOMP™ DX05475 compound

Polycarbonate

SABIC Innovative Plastics

Message:

LNP THERMOCOMP DX05474 is a compound based on Polycarbonate resin containing Glass Fiber. Added features of this material include: Flame Retardant.

Also known as: LNP* THERMOCOMP* Compound DFA-113

Product reorder name: DX05475

General Information			
UL YellowCard	E121562-101280282	E121562-101283885	
Filler / Reinforcement	Glass Fiber		
Features	Flame Retardant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29	g/cm³	ASTM D792
Molding Shrinkage			ASTM D955
Flow : 24 hr	0.30 to 0.50	%	
Across Flow : 24 hr	0.30 to 0.40	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	3600	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	60.0	MPa	
Break	54.5	MPa	
Tensile Elongation			ASTM D638
Yield	4.9	%	
Break	8.2	%	
Flexural Modulus	3620	MPa	ASTM D790
Flexural Strength	103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	59	J/m	ASTM D256
Unnotched Izod Impact (23°C)	1100	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	132	°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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