

LNP™ THERMOCOMP™ WX88406 compound

Thermoplastic Polyester

SABIC Innovative Plastics

Message:

LNP THERMOCOMP WX88406 is a compound based on PBT resin containing Proprietary Filler(s).

Also known as: LNP* THERMOCOMP* Compound PDX-W-88406

Product reorder name: WX88406

General Information			
Filler / Reinforcement	Proprietary		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.49	g/cm ³	ASTM D792
Molding Shrinkage - Flow (24 hr)	0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	7930	MPa	ASTM D638
Tensile Strength			ASTM D638
Break	103	MPa	
Break ²	103	MPa	
Tensile Elongation			ASTM D638
Break	2.9	%	
Break ³	2.9	%	
Flexural Modulus			ASTM D790
--	7060	MPa	
50.0 mm Span ⁴	7060	MPa	
Flexural Strength			ASTM D790
--	165	MPa	
Break, 50.0 mm Span ⁵	165	MPa	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	69	J/m	ASTM D256
Unnotched Izod Impact (23°C)	680	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	202	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.050	%	
Rear Temperature	221 to 232	°C	
Middle Temperature	243 to 254	°C	
Front Temperature	260 to 271	°C	

Processing (Melt) Temp	238 to 266	°C
Mold Temperature	82.2 to 98.9	°C
Back Pressure	0.172 to 0.344	MPa
Screw Speed	30 to 60	rpm

NOTE		
1.	50 mm/min	
2.	Type I, 5.0 mm/min	
3.	Type I, 5.0 mm/min	
4.	1.3 mm/min	
5.	1.3 mm/min	

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