

LNP™ COLORCOMP™ WX96084P-WT

compound

Polybutylene Terephthalate
SABIC Innovative Plastics Europe

Message:

LNP COLORCOMP WX96084P is a compound based on Polybutyleneterephthalate resin. Added features include: Custom Color White.

Also known as: LNP* COLORCOMP* Compound PDX-W-96084

Product reorder name: WX96084P-WT

General Information			
RoHS Compliance	RoHS Compliant		
Appearance	White		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.53	g/cm ³	ISO 1183
Molding Shrinkage - Flow	1.9 to 2.3	%	Internal Method
Water Absorption (23°C, 24 hr)	0.060	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3000	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/5
Yield	53.0	MPa	
Break	52.0	MPa	
Tensile Strain			ISO 527-2/5
Yield	3.5	%	
Break	4.0	%	
Flexural Modulus ¹	2900	MPa	ISO 178
Flexural Stress	85.0	MPa	ISO 178
Flexural Strain at Break ²	5.8	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	5.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	40	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵			
0.45 MPa, Unannealed, 64.0 mm Span	128	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	60.0	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	1.0E-4	cm/cm/°C	
Transverse : 23 to 60°C	1.2E-4	cm/cm/°C	
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. | 2.0 mm/min |
| 2. | 2 mm/min |
| 3. | 80*10*4 |
| 4. | 80*10*4 |
| 5. | 80*10*4 mm |

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