

LNP™ STAT-KON™ WX11322 compound

Polybutylene Terephthalate

SABIC Innovative Plastics Asia Pacific

Message:

PBT base, CF+Glass fiber filled, Halogen FR V-0, Low warpage

General Information			
Filler / Reinforcement	Glass\Carbon Fiber		
Additive	Flame Retardant		
Features	Flame Retardant		
	Low Warpage		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.54	g/cm ³	ASTM D792
Molding Shrinkage ¹			Internal Method
Flow	0.17	%	
Across Flow	0.55	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	143	MPa	Internal Method
Tensile Elongation (Break)	9.0	%	Internal Method
Flexural Modulus (6.40 mm)	11600	MPa	ASTM D790
Flexural Strength (Yield, 6.40 mm)	208	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	78	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	205	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	9.0E+7	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (2.00 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	3.0 to 4.0	hr	
Drying Time, Maximum	12	hr	
Suggested Max Moisture	0.020	%	
Suggested Shot Size	40 to 80	%	
Rear Temperature	238 to 254	°C	
Middle Temperature	243 to 260	°C	

Front Temperature	249 to 266	°C
Nozzle Temperature	243 to 260	°C
Processing (Melt) Temp	249 to 266	°C
Mold Temperature	65.6 to 87.8	°C
Back Pressure	0.345 to 0.689	MPa
Screw Speed	50 to 80	rpm
Vent Depth	0.025 to 0.038	mm

NOTE

1. 1.5 to 3.2 mm

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