LNP™ STAT-KON™ COMPOUND WX11322

DESCRIPTION

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

TYPICAL PROPERTY VALUES

Revision 20191216

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield	143	MPa	SABIC - Japan Method
Tensile Strain, break	9	%	SABIC - Japan Method
Flexural Stress, yield, 6.4 mm	208	MPa	ASTM D 790
Flexural Modulus, 6.4 mm	11600	MPa	ASTM D 790
IMPACT			
Izod Impact, notched, 23°C	78	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 6.4 mm, unannealed	205	°C	ASTM D 648
Relative Temp Index, Elec [1]	75	°C	UL 746B
Relative Temp Index, Mech w/impact [1]	75	°C	UL 746B
Relative Temp Index, Mech w/o impact [1]	75	°C	UL 746B
PHYSICAL			
Specific Gravity	1.54	-	ASTM D 792
Mold Shrinkage, flow, 1.5-3.2 mm	0.17	%	SABIC method
Mold Shrinkage, xflow, 1.5-3.2 mm	0.55	%	SABIC method
ELECTRICAL			
Surface Resistivity	9.E+07	Ohm	ASTM D 257
FLAME CHARACTERISTICS [1]			
UL Yellow Card Link	E207780-101014487	-	-
UL Recognized, 94V-0 Flame Class Rating	≥2	mm	UL 94
INJECTION MOLDING			
Drying Temperature	120	°C	
Drying Time	3 – 4	hrs	
Drying Time (Cumulative)	12	hrs	
Maximum Moisture Content	0.02	%	
Melt Temperature	250 – 265	°C	
Nozzle Temperature	245 – 260	°C	
Front - Zone 3 Temperature	250 – 265	°C	
Middle - Zone 2 Temperature	245 – 260	°C	
Rear - Zone 1 Temperature	240 – 255	°C	
Mold Temperature	65 – 90	°C	
Back Pressure	0.3 – 0.7	MPa	
Screw Speed	50 – 80	rpm	
Shot to Cylinder Size	40 – 80	%	
Vent Depth	0.025 – 0.038	mm	

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(1) UL Ratings shown on the technical datasheet might not cover the full range of thicknesses and colors. For details, please see the UL Yellow Card.

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