LNP™ STAT-LOY™ COMPOUND SLD3000

DESCRIPTION

Antistatic colorable/opaque FR PC grade

TYPICAL PROPERTY VALUES

Revision 20191216

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield, 50 mm/min	52	MPa	ASTM D 638
Flexural Stress, yield, 6.4 mm	80	MPa	ASTM D 790
Flexural Modulus	2030	MPa	ASTM D 790
Tensile Strain, break, 50 mm/min	200	%	ISO 527
IMPACT			
Izod Impact, notched, 23°C	700	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 6.4 mm, unannealed	100	°C	ASTM D 648
PHYSICAL			
Specific Gravity	1.21	-	ASTM D 792
Mold Shrinkage, flow, 1.5-3.2 mm	0.4	%	SABIC method
Mold Shrinkage, xflow, 1.5-3.2 mm	0.5	%	SABIC method
Melt Flow Rate, 260°C/2.16 kgf	19	g/10 min	ASTM D 1238
ELECTRICAL			
Surface Resistivity	1.2E+12	Ohm	ASTM D 257
FLAME CHARACTERISTICS [(1)]			
UL Yellow Card Link	E207780-228454	-	-
UL Recognized, 94V-2 Flame Class Rating	≥1	mm	UL 94
UL Recognized, 94HB Flame Class Rating	≥0.5	mm	UL 94
INJECTION MOLDING			
Drying Temperature	90 – 100	°C	
Drying Time	4 – 6	hrs	
Drying Time (Cumulative)	8	hrs	
Maximum Moisture Content	0.04	%	
Melt Temperature	240 – 260	°C	
Nozzle Temperature	230 – 260	°C	
Front - Zone 3 Temperature	230 – 260	°C	
Middle - Zone 2 Temperature	220 – 255	°C	
Rear - Zone 1 Temperature	220 – 245	°C	
Mold Temperature	30 – 70	°C	
Back Pressure	0.3 – 0.7	MPa	
Screw Speed	40 – 70	rpm	
Shot to Cylinder Size	30 – 80	%	
Vent Depth	0.38 – 0.76	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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