LNP™ STAT-KON™ COMPOUND PDR7904

DESCRIPTION

GF filled PBT grade

TYPICAL PROPERTY VALUES

Revision 20191216

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yld, Type I, 10 mm/min	141	MPa	SABIC - Japan Method
Tensile Strain, brk, Type I, 10 mm/min	9.7	%	SABIC - Japan Method
Flexural Stress, yield, 6.4 mm	206	MPa	ASTM D 790
Flexural Modulus, 6.4 mm	10950	MPa	ASTM D 790
IMPACT			
Izod Impact, notched, 23°C	93	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 6.4 mm, unannealed	199	°C	ASTM D 648
Relative Temp Index, Mech w/impact (1)	115	°C	UL 746B
Relative Temp Index, Mech w/o impact (1)	125	°C	UL 746B
PHYSICAL			
Filler Content	23	%	ASTM D 229
Melt Flow Rate, 250°C/5.0 kgf	36.4	g/10 min	ASTM D 1238
FLAME CHARACTERISTICS (1)			
UL Yellow Card Link	E45587-236836	-	-
UL Recognized, 94V-0 Flame Class Rating	≥1.5	mm	UL 94
UL Recognized, 94V-2 Flame Class Rating	≥0.75	mm	UL 94
UL Recognized, 94HB Flame Class Rating	≥0.5	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	50 – 75	°C	
Back Pressure	0.3 – 0.7	MPa	
Screw Speed	50 – 100	rpm	
Shot to Cylinder Size	40 – 80	%	
Vent Depth	0.025 – 0.038	mm	

(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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