LNP™ THERMOCOMP™ COMPOUND DSL1120

DESCRIPTION

Glass beads filled FR

TYPICAL PROPERTY VALUES

Revision 20191217

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Flexural modulus	2732	MPa	ASTM D 790
Flexural Stress, yld, 2.6 mm/min, 100 mm span	88	MPa	ASTM D 790
THERMAL			
HDT, 1.82 MPa, 6.4 mm, unannealed	133	°C	ASTM D 648
Relative Temp Index, Elec (1)	80	°C	UL 746B
Relative Temp Index, Mech w/impact (1)	80	°C	UL 746B
Relative Temp Index, Mech w/o impact (1)	80	°C	UL 746B
PHYSICAL			
Melt Flow Rate, 300°C/1.2 kgf	9.6	g/10 min	ASTM D 1238
POLYMER PROPERTIES			
Ash content	19	% w/w	-
FLAME CHARACTERISTICS (1)			
UL Yellow Card Link	E207780-228416	-	-
UL Recognized, 94V-0 Flame Class Rating	≥3	mm	UL 94
UL Recognized, 94V-1 Flame Class Rating	≥1.5	mm	UL 94
INJECTION MOLDING			
Drying Temperature	120	°C	
Drying Time	3 – 4	hrs	
Melt Temperature	290 – 310	°C	
Nozzle Temperature	280 – 305	°C	
Front - Zone 3 Temperature	290 – 310	°C	
Middle - Zone 2 Temperature	275 – 300	°C	
Rear - Zone 1 Temperature	265 – 290	°C	
Mold Temperature	70 – 95	°C	
Back Pressure	0.3 – 0.7	MPa	
Screw Speed	40 – 70	rpm	

(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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