LNP™ THERMOCOMP™ COMPOUND UX08319

DESCRIPTION

LNP THERMOCOMP UX08319 is PPA base glass fiber filled compounds, good for LDS (Laser direct structuring)application. Additional feature is high heat. ...

TYPICAL PROPERTY VALUES

Revision 20191212

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, brk, Type I, 5 mm/min	125	MPa	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	1.4	%	ASTM D 638
Tensile Modulus, 5 mm/min	13784	MPa	ASTM D 638
Flexural Stress, yld, 1.3 mm/min, 50 mm span	185	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	11500	MPa	ASTM D 790
IMPACT			
Izod Impact, notched, 23°C	40	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	265	°C	ASTM D 648
PHYSICAL			
Density	2.14	g/cm³	ASTM D 792
Mold Shrinkage, flow	0.33	%	SABIC method
Mold Shrinkage, xflow	0.35	%	SABIC method
ELECTRICAL			
Dielectric Constant, 1.9 GHz	6.2	-	SABIC method
Dissipation Factor, 1.9 GHz	0.015	-	SABIC method
INJECTION MOLDING			
Drying Temperature	120 – 130	°C	
Drying Time	4 – 6	hrs	
Melt Temperature	315 – 330	°C	
Front - Zone 3 Temperature	300 – 330	°C	
Middle - Zone 2 Temperature	310 – 330	°C	
Rear - Zone 1 Temperature	300 – 320	°C	
Mold Temperature	140 – 165	°C	
Back Pressure	20 – 40	MPa	
Screw Speed	30 – 70	rpm	

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