LNP™ THERMOCOMP™ COMPOUND OF008H

OF-1008 HC

DESCRIPTION

LNP THERMOCOMP OF008H is a compound based on PPS - Linear containing 40% Glass Fiber. Characteristics of this grade are: Healthcare.

TYPICAL PROPERTY VALUES

Revision 20191213

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, brk, Type I, 5 mm/min	140	MPa	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	1.6	%	ASTM D 638
Tensile Modulus, 50 mm/min	14100	MPa	ASTM D 638
Flexural Stress, brk, 1.3 mm/min, 50 mm span	234	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	14220	MPa	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	534	J/m	ASTM D 4812
Izod Impact, notched, 23°C	96	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	264	°C	ASTM D 648
PHYSICAL			
Density	1.7	g/cm³	ASTM D 792
Mold Shrinkage, flow, 24 hrs	0.3	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	1	%	ASTM D 955
Wear Factor Washer	373	10^-10 in^5-min/ft-lb-hr	ASTM D 3702 Modified: Manual
Dynamic COF	0.41	-	ASTM D 3702 Modified: Manual
Static COF	0.5	-	ASTM D 3702 Modified: Manual
FLAME CHARACTERISTICS			
UL Compliant, 94V-0 Flame Class Rating	0.45	mm	UL 94 by SABIC-IP
INJECTION MOLDING			
Drying Temperature	120 – 150	°C	
Drying Time	4	hrs	
Melt Temperature	315 – 320	°C	
Front - Zone 3 Temperature	330 – 345	°C	
Middle - Zone 2 Temperature	320 – 330	°C	
Rear - Zone 1 Temperature	305 – 315	°C	
Mold Temperature	140 – 165	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

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