LNP™ THERMOCOMP™ COMPOUND OF008E

OF-1008 EM
REGION ASIA

DESCRIPTION

LNP THERMOCOMP OF008E is a compound based on PPS - Linear resin containing 40% Glass Fiber. Added features of this material include: Easy Molding.

TYPICAL PROPERTY VALUES

Revision 20181220

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, break	178	MPa	ASTM D 638
Tensile Strain, break	1.7	%	ASTM D 638
Flexural Stress	248	MPa	ASTM D 790
Flexural modulus	14260	MPa	ASTM D 790
Tensile Stress, break	160	MPa	ISO 527
Tensile Strain, break	1.2	%	ISO 527
Flexural Stress	190	MPa	ISO 178
Flexural Modulus	13400	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	587	J/m	ASTM D 4812
Izod Impact, notched, 23°C	101	J/m	ASTM D 256
Izod Impact, unnotched 80*10*4 +23°C	21	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	6	kJ/m²	ISO 180/1A
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	261	°C	ASTM D 648
CTE, -40°C to 40°C, flow	2.6E-05	1/°C	ISO 11359-2
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	268	°C	ISO 75/Af
PHYSICAL			
Density	1.68	g/cm³	ASTM D 792
Mold Shrinkage, flow, 24 hrs	0.2	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	0.8	%	ASTM D 955
Wear Factor Washer	240	10^-10 in^5-min/ft-lb-hr	ASTM D 3702 Modified: Manual
Dynamic COF	0.66	-	ASTM D 3702 Modified: Manual
Static COF	0.87	-	ASTM D 3702 Modified: Manual
FLAME CHARACTERISTICS			
UL Compliant, 94V-0 Flame Class Rating	0.45	mm	UL 94 by SABIC-IP

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