LNP™ THERMOCOMP™ COMPOUND JF004E

JF-1004 EM
REGION ASIA

DESCRIPTION

LNP THERMOCOMP JF004E is a compound based on Polyethersulfone resin containing 20% Glass Fiber. Added features of this material include: Easy Molding.

TYPICAL PROPERTY VALUES

Revision 20180725

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, break	114	MPa	ASTM D 638
Tensile Strain, break	2.9	%	ASTM D 638
Tensile Modulus, 50 mm/min	7350	MPa	ASTM D 638
Flexural Stress	186	MPa	ASTM D 790
Flexural modulus	6690	MPa	ASTM D 790
Tensile Stress, break	109	MPa	ISO 527
Tensile Strain, break	2.9	%	ISO 527
Tensile Modulus, 1 mm/min	7350	MPa	ISO 527
Flexural Stress	183	MPa	ISO 178
Flexural Modulus	7590	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	427	J/m	ASTM D 4812
Izod Impact, notched, 23°C	58	J/m	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	16	J	ASTM D 3763
Multiaxial Impact	4	J	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	73	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	7	kJ/m²	ISO 180/1A
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	205	°C	ASTM D 648
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	205	°C	ISO 75/Af
PHYSICAL			
Density	1.51	g/cm³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.4	%	ASTM D 570

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Mold Shrinkage, flow, 24 hrs (5)	0.5 – 0.7	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	0.6 – 0.8	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs (5)	0.5 – 0.7	%	ISO 294
Mold Shrinkage, xflow, 24 hrs (5)	0.6 – 0.8	%	ISO 294
Density	1.51	g/cm³	ISO 1183

DISCLAIMER