LNP™ THERMOCOMP™ COMPOUND JF006LXZ

JF-1006 LE
REGION ASIA

DESCRIPTION

LNP THERMOCOMP JF006LXZ is a compound based on Polyethersulfone resin containing 30% Glass Fiber. Added features of this material include: Low Extractible.

TYPICAL PROPERTY VALUES

Revision 20181219

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, break	113	MPa	ASTM D 638
Tensile Strain, break	1.8	%	ASTM D 638
Tensile Modulus, 50 mm/min	9790	MPa	ASTM D 638
Flexural Stress	172	MPa	ASTM D 790
Flexural Modulus	9230	MPa	ASTM D 790
Tensile Stress, break	99	MPa	ISO 527
Tensile Strain, break	1.4	%	ISO 527
Tensile Modulus, 1 mm/min	10190	MPa	ISO 527
Flexural Stress	222	MPa	ISO 178
Flexural Modulus	9240	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	13	J	ASTM D 3763
Multiaxial Impact	3	J	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	29	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	6	kJ/m²	ISO 180/1A
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	217	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	212	°C	ASTM D 648
CTE, -40°C to 40°C, flow	3.06E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, xflow	3.6E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, flow	3.01E-05	1/°C	ISO 11359-2
CTE, -40°C to 40°C, xflow	3.64E-05	1/°C	ISO 11359-2
PHYSICAL			
Density	1.61	g/cm³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.3	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs	0.2	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	0.7	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs	0.25	%	ISO 294
Mold Shrinkage, xflow, 24 hrs	0.69	%	ISO 294
Density	1.6	g/cm³	ISO 1183

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