LNP™ THERMOCOMP™ COMPOUND JF002R

JF-1002 MG MR

DESCRIPTION

LNP THERMOCOMP JF002R is a compound based on Polyethersulfone resin containing Glass Fiber, Glass Bead. Added features of this material include: Mold Release.

TYPICAL PROPERTY VALUES

Revision 20191213

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield, 5 mm/min	83	MPa	ISO 527
Tensile Strain, yield, 5 mm/min	4.5	%	ISO 527
Tensile Modulus, 1 mm/min	3500	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	133	MPa	ISO 178
Flexural Stress, break, 2 mm/min	74	MPa	ISO 178
Flexural Modulus, 2 mm/min	3200	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	45	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	6	kJ/m²	ISO 180/1A
THERMAL			
CTE, 23°C to 60°C, flow	4.3E-05	1/°C	ISO 11359-2
CTE, 23°C to 60°C, xflow	5.5E-05	1/°C	ISO 11359-2
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	221	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	212	°C	ISO 75/Af
PHYSICAL			
Density	1.45	g/cm³	ISO 1183

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