LNP™ THERMOCOMP™ COMPOUND RFZ349XC

RF-1007 FR MG LEX
REGION ASIA

DESCRIPTION

LNP THERMOCOMP* RFZ349XC is a compound based on Nylon 66 resin containing 20% Glass Fiber, 15% Milled Glass. Added features of this material include: Flame Retardant.

TYPICAL PROPERTY VALUES

Revision 20181228

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, break	124	MPa	ASTM D 638
Tensile Strain, break	2.3	%	ASTM D 638
Tensile Modulus, 50 mm/min	11030	MPa	ASTM D 638
Flexural Stress	179	MPa	ASTM D 790
Flexural Modulus	7170	MPa	ASTM D 790
Tensile Stress, break	85	MPa	ISO 527
Tensile Strain, break	3.2	%	ISO 527
Tensile Modulus, 1 mm/min	11400	MPa	ISO 527
Flexural Stress	197	MPa	ISO 178
Flexural Modulus	9000	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	587	J/m	ASTM D 4812
Izod Impact, notched, 23°C	64	J/m	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	7	J	ASTM D 3763
Multiaxial Impact	2	J	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	39	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	237	°C	ASTM D 648
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	235	°C	ISO 75/Af
PHYSICAL			
Moisture Absorption, 50% RH, 24 hrs	0.2	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs	0.4	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	1.2	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs	0.39	%	ISO 294
Mold Shrinkage, xflow, 24 hrs	1.19	%	ISO 294
Density	1.66	g/cm³	ISO 1183
Moisture Absorption (23°C / 50% RH)	0.43	%	ISO 62

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