LNP™ THERMOCOMP™ COMPOUND DFZ22P

DF-1004 EP MG
REGION ASIA

DESCRIPTION

LNP THERMOCOMP* DFZ22P is a compound based on Polycarbonate resin containing 10% Glass Fiber, 10% Milled Glass. Added features of this material include: Exceptional Processing.

TYPICAL PROPERTY VALUES

Revision 20181207

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, break	67	MPa	ASTM D 638
Tensile Strain, break	6	%	ASTM D 638
Tensile Modulus, 50 mm/min	4270	MPa	ASTM D 638
Flexural Stress	124	MPa	ASTM D 790
Flexural modulus	3370	MPa	ASTM D 790
Tensile Stress, break	49	MPa	ISO 527
Tensile Strain, break	4.8	%	ISO 527
Tensile Modulus, 1 mm/min	4410	MPa	ISO 527
Flexural Stress	132	MPa	ISO 178
Flexural Modulus	3900	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	560	J/m	ASTM D 4812
Izod Impact, notched, 23°C	53	J/m	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	7	J	ASTM D 3763
Multiaxial Impact	8	J	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	52	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	5	kJ/m²	ISO 180/1A
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	132	°C	ASTM D 648
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	133	°C	ISO 75/Af
PHYSICAL			
Moisture Absorption, 50% RH, 24 hrs	0.1	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs	0.4	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	0.6	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs	0.4	%	ISO 294
Mold Shrinkage, xflow, 24 hrs	0.61	%	ISO 294
Density	1.33	g/cm³	ISO 1183
Moisture Absorption (23°C / 50% RH)	0.15	%	ISO 62

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