LNP™ STAT-KON™ COMPOUND DX05305C

PDX-D-05305 CCS
REGION ASIA

DESCRIPTION

LNP* STAT-KON* DX05305C is a compound based on Polycarbonate resin containing Proprietary Filler(s). Added features of this material include: Electrically Conductive, Clean Compounding System.

TYPICAL PROPERTY VALUES

Revision 20190204

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield	22	MPa	ASTM D 638
Tensile Stress, break	52	MPa	ASTM D 638
Tensile Strain, yield	1.9	%	ASTM D 638
Tensile Strain, break	5.9	%	ASTM D 638
Tensile Modulus, 50 mm/min	2650	MPa	ASTM D 638
Flexural Stress	96	MPa	ASTM D 790
Flexural Modulus	2590	MPa	ASTM D 790
Tensile Stress, break	54	MPa	ISO 527
Tensile Strain, break	4024	%	ISO 527
Tensile Modulus, 1 mm/min	2620	MPa	ISO 527
Flexural Stress	101	MPa	ISO 178
Flexural Modulus	2730	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	1012	J/m	ASTM D 4812
Izod Impact, notched, 23°C	48	J/m	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	2	J	ASTM D 3763
Multiaxial Impact	5	J	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	80	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	5	kJ/m²	ISO 180/1A
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	142	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	135	°C	ASTM D 648
CTE, -40°C to 40°C, flow	6.48E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, xflow	6.12E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, flow	6.14E-05	1/°C	ISO 11359-2
CTE, -40°C to 40°C, xflow	6.15E-05	1/°C	ISO 11359-2
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	130	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	132	°C	ISO 75/Af
PHYSICAL			
Density	1.22	g/cm³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.1	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs	74	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	61	%	ASTM D 955

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PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Mold Shrinkage, flow, 24 hrs	0.74	%	ISO 294
Mold Shrinkage, xflow, 24 hrs	0.61	%	ISO 294
Density	1.22	g/cm³	ISO 1183
ELECTRICAL			
Volume Resistivity	100 – 100000	Ohm-cm	ASTM D 257
Surface Resistivity	1.E+02 – 1.E+05	Ohm	ASTM D 257

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