LNP™ STAT-KON™ COMPOUND PFD06

PF-30
REGION ASIA

DESCRIPTION

LNP STAT-KON PFD06 is a compound based on Nylon 6 resin containing 30% Glass Fiber. Added features of this material include: Electrically Conductive.

TYPICAL PROPERTY VALUES

Revision 20191114

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, break	159	MPa	ASTM D 638
Tensile Strain, break	2.3	%	ASTM D 638
Tensile Modulus, 50 mm/min	11720	MPa	ASTM D 638
Flexural Stress	241	MPa	ASTM D 790
Flexural Modulus	11030	MPa	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	907	J/m	ASTM D 4812
Izod Impact, notched, 23°C	106	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	206	°C	ASTM D 648
PHYSICAL			
Density	1.43	g/cm³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.5	%	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	0.38	%	ISO 294
Mold Shrinkage, xflow, 24 hrs	1.15	%	ISO 294
Moisture Absorption (23°C / 50% RH)	0.91	%	ISO 62
ELECTRICAL			
Volume Resistivity	1.E+03	Ohm-cm	ASTM D 257
Surface Resistivity	1.E+01 – 1.E+06	Ohm	ASTM D 257

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