LNP™ STAT-KON™ COMPOUND RE006

RC-1006
REGION ASIA

DESCRIPTION

LNP STAT-KON* RE006 is a compound based on Nylon 66 resin containing 30% Carbon Fiber. Added features of this material include: Electrically Conductive.

TYPICAL PROPERTY VALUES

Revision 20181227

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, brk, Type I, 5 mm/min	246	MPa	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	2.5	%	ASTM D 638
Flexural Stress, brk, 1.3 mm/min, 50 mm span	268	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	17600	MPa	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	1030	J/m	ASTM D 4812
Izod Impact, notched, 23°C	119	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	254	°C	ASTM D 648
PHYSICAL			
Density	1.27	g/cm³	ASTM D 792
Mold Shrinkage, flow, 24 hrs	0.1	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	1	%	ASTM D 955
ELECTRICAL			
Surface Resistivity	1.E+03	Ohm	ASTM D 257
INJECTION MOLDING			
Drying Temperature	80	°C	
Drying Time	4	hrs	
Maximum Moisture Content	0.15 – 0.25	%	
Melt Temperature	280 – 305	°C	
Front - Zone 3 Temperature	295 – 305	°C	
Middle - Zone 2 Temperature	280 – 295	°C	
Rear - Zone 1 Temperature	265 – 275	°C	
Mold Temperature	95 – 110	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

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