LNP™ STAT-LOY™ COMPOUND PF303

PF-15
REGION ASIA

DESCRIPTION

LNP STAT-LOY PF303 is a Nylon 6 base resin containing 15% Glass Fiber. Added features of this grade includes: Antistat.

TYPICAL PROPERTY VALUES

Revision 20181221

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, break	82	MPa	ASTM D 638
Tensile Strain, break	2.5	%	ASTM D 638
Tensile Modulus, 50 mm/min	5200	MPa	ASTM D 638
Flexural Stress	124	MPa	ASTM D 790
Flexural Modulus	4080	MPa	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	700	J/m	ASTM D 4812
Izod Impact, notched, 23°C	95	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	185	°C	ASTM D 648
PHYSICAL			
Density	1.25	g/cm³	ASTM D 792
Mold Shrinkage, flow, 24 hrs	0.3	%	ASTM D 955
ELECTRICAL			
Surface Resistivity	1.E+09 – 1.E+11	Ohm	ASTM D 257
INJECTION MOLDING			
Drying Temperature	80	°C	
Drying Time	4	hrs	
Maximum Moisture Content	0.15 – 0.25	%	
Melt Temperature	230	°C	
Front - Zone 3 Temperature	225 – 240	°C	
Middle - Zone 2 Temperature	220 – 230	°C	
Rear - Zone 1 Temperature	215 – 225	°C	
Mold Temperature	80 – 95	°C	
Back Pressure	0.3 – 0.7	MPa	
Screw Speed	30 – 60	rpm	

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