LNP™ STAT-KON™ COMPOUND PX11002

PX11002

DESCRIPTION

LNP STAT-KON PX11002 is a compound based on PA 6 resin containing Carbon Powder, Flame Retardant. Added features include; Electrically Conductive, Flame Retardant.

TYPICAL PROPERTY VALUES

Revision 20191212

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield, 5 mm/min	42	MPa	ISO 527
Tensile Strain, break, 5 mm/min	2.8	%	ISO 527
Tensile Modulus, 1 mm/min	2400	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	68	MPa	ISO 178
Flexural Modulus, 2 mm/min	2300	MPa	ISO 178
IMPACT			
Multiaxial Impact	20	J	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	75	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	10	kJ/m²	ISO 180/1A
PHYSICAL			
Density	1.31	g/cm³	ISO 1183
ELECTRICAL			
Surface Resistivity	1.E+04 – 1.E+10	Ohm	ASTM D 257
FLAME CHARACTERISTICS			
UL Compliant, 94V-1 Flame Class Rating	3	mm	UL 94 by SABIC-IP
INJECTION MOLDING			
Drying Temperature	80	°C	
Drying Time	4	hrs	
Maximum Moisture Content	0.15 – 0.25	%	
Melt Temperature	255 – 265	°C	
Front - Zone 3 Temperature	250 – 260	°C	
Middle - Zone 2 Temperature	250 – 260	°C	
Rear - Zone 1 Temperature	245 – 255	°C	
Mold Temperature	55 – 95	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

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