LNP™ STAT-KON™ COMPOUND PX08019

DESCRIPTION

LNP STAT-KON PX08019 is a compound based on PA 6 resin containing Glass Fiber, Carbon Fiber, Flame Retardant. Added features include; Non-Halogen Flame Retardant, Electrically Conductive.

TYPICAL PROPERTY VALUES

Revision 20191212

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield, 5 mm/min	160	MPa	ISO 527
Tensile Strain, break, 5 mm/min	2.3	%	ISO 527
Flexural Stress, yield, 2 mm/min	230	MPa	ISO 178
Flexural Modulus, 2 mm/min	11500	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	45	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	7	kJ/m²	ISO 180/1A
THERMAL			
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	207	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage, flow	0.2 – 0.4	%	SABIC method
Density	1.31	g/cm³	ISO 1183
ELECTRICAL			
Surface Resistivity	1.E+04 – 1.E+06	Ohm	ASTM D 257
FLAME CHARACTERISTICS			
UL Compliant, 94V-0 Flame Class Rating	1.6	mm	UL 94 by SABIC-IP
INJECTION MOLDING			
Drying Temperature	75 – 85	°C	
Drying Time	4 – 6	hrs	
Melt Temperature	250 – 270	°C	
Front - Zone 3 Temperature	250 – 270	°C	
Middle - Zone 2 Temperature	250 – 270	°C	
Rear - Zone 1 Temperature	240 – 260	°C	
Mold Temperature	70 – 90	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

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