

LNPTM STAT-KONTM COMPOUND ZEF061XC

ZCF-1006 FR HP
REGION EUROPE

DESCRIPTION

LNP STAT-KON ZEF061XC is a compound based on Polyphenyleneoxide resin containing Glass Fiber, Milled Carbon Fiber and Flame Retardant. Added Features include: Electrically Conductive

TYPICAL PROPERTY VALUES

Revision 20181231

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield, 5 mm/min	97	MPa	ISO 527
Tensile Strain, break, 5 mm/min	1.3	%	ISO 527
Tensile Modulus, 1 mm/min	12100	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	124	MPa	ISO 178
Flexural Modulus, 2 mm/min	9500	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	15	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	5	kJ/m ²	ISO 180/1A
THERMAL			
CTE, 23°C to 60°C, flow	2.5E-05	1/°C	ISO 11359-2
CTE, 23°C to 60°C, xflow	8.8E-05	1/°C	ISO 11359-2
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	133	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	127	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage, flow	0.1 – 0.3	%	SABIC method
Density	1.3	g/cm ³	ISO 1183
Water Absorption, 23°C/24hrs	0.11	%	ISO 62-1
ELECTRICAL			
Surface Resistivity	1.E+03 – 1.E+06	Ohm	ASTM D 257
FLAME CHARACTERISTICS			
UL Compliant, 94V-1 Flame Class Rating	3	mm	UL 94 by SABIC-IP
INJECTION MOLDING			
Drying Temperature	110 – 120	°C	
Drying Time	4	hrs	
Nozzle Temperature	255 – 280	°C	
Front - Zone 3 Temperature	255 – 275	°C	
Middle - Zone 2 Temperature	250 – 270	°C	
Rear - Zone 1 Temperature	240 – 265	°C	
Mold Temperature	70 – 110	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	



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