

# LNP™ STAT-KON™ COMPOUND DEL329EP

STATKON-DCL-4032 FR  
REGION EUROPE

## DESCRIPTION

LNP STAT-KON DEL329EP is a compound based on Polycarbonate resin containing Carbon Fiber, PTFE, Flame Retardant. Added features include: Electrically Conductive, Internally Lubricated, Flame retardant.

## TYPICAL PROPERTY VALUES

Revision 20170913

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>MECHANICAL</b>			
Tensile Stress, yield, 5 mm/min	103	MPa	ISO 527
Tensile Strain, break, 5 mm/min	1.6	%	ISO 527
Tensile Modulus, 1 mm/min	8600	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	143	MPa	ISO 178
Flexural Strain, break, 2 mm/min	2.5	%	ISO 178
Flexural Modulus, 2 mm/min	7200	MPa	ISO 178
<b>IMPACT</b>			
Izod Impact, unnotched 80*10*4 +23°C	20	kJ/m <sup>2</sup>	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	6	kJ/m <sup>2</sup>	ISO 180/1A
<b>THERMAL</b>			
CTE, 23°C to 60°C, flow	1.8E-05	1/°C	ISO 11359-2
CTE, 23°C to 60°C, xflow	8.2E-05	1/°C	ISO 11359-2
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	144	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	140	°C	ISO 75/Af
<b>PHYSICAL</b>			
Mold Shrinkage, flow (5)	0.1 – 0.3	%	SABIC method
Density	1.35	g/cm <sup>3</sup>	ISO 1183
Water Absorption, 23°C/24hrs	0.22	%	ISO 62-1
<b>ELECTRICAL</b>			
Surface Resistivity	1.E+02 – 1.E+04	Ohm	ASTM D 257
<b>FLAME CHARACTERISTICS</b>			
UL Recognized, 94V-0 Flame Class Rating (3)	1.5	mm	UL 94
<b>INJECTION MOLDING</b>			

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Drying Temperature	120	°C	
Drying Time	4	hrs	
Maximum Moisture Content	0.02	%	
Melt Temperature	305 – 325	°C	
Front - Zone 3 Temperature	320 – 330	°C	
Middle - Zone 2 Temperature	310 – 320	°C	
Rear - Zone 1 Temperature	295 – 305	°C	
Mold Temperature	80 – 110	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

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