

# LNP™ STAT-KON™ DSL229 compound

Polycarbonate

SABIC Innovative Plastics

## Message:

LNP STAT-KON DSL229 is a compound based on Polycarbonate resin containing 10% PTFE, 10% Stainless Steel. Added features of this material include: Electrically Conductive, Wear Resistant.

Also known as: LNP\* STAT-KON\* Compound DS-L

Product reorder name: DSL229

General Information			
UL YellowCard	E121562-101357497		
Filler / Reinforcement	Stainless Steel Fiber,10% Filler by Weight		
Additive	PTFE Lubricant (10%)		
Features	Electrically Conductive		
	Good Wear Resistance		
	Lubricated		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.39	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow			
-- <sup>1</sup>	5.0E-3	%	Internal Method
24 hr	0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus <sup>2</sup>	2450	MPa	ASTM D638
Tensile Strength (Break)	46.9	MPa	ASTM D638
Tensile Elongation (Break)	4.6	%	ASTM D638
Flexural Modulus	2570	MPa	ASTM D790
Flexural Strength	75.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	64	J/m	ASTM D256
Unnotched Izod Impact (23°C)	590	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	120	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	10 to 1.0E+6	ohms	ASTM D257, IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm, Testing by SABIC)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	


Drying Time	4.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	293 to 304	°C
Middle Temperature	310 to 321	°C
Front Temperature	321 to 332	°C
Processing (Melt) Temp	304 to 327	°C
Mold Temperature	82.2 to 110	°C
Back Pressure	0.172 to 0.344	MPa
Screw Speed	30 to 60	rpm
NOTE		
1.	0.75 to 2.3 mm	
2.	50 mm/min	

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Recommended distributors for this material

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