

LNP™ STAT-KON™ DSL229 compound

Polycarbonate
SABIC Innovative Plastics

Message:

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

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

Product reorder name: DSL229

General Information			
Filler / Reinforcement	Stainless steel fiber		
Additive	PTFE lubricant		
Features	Conductivity		
	Lubrication		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.39	g/cm ³	ASTM D792
Molding Shrinkage - Flow			
-- ¹	5.0E-3	%	Internal method
24 hours	0.50	%	ASTM D955

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ²	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 - 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

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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