



LNP™ STAT-KON™ Compound DSL229

Americas: COMMERCIAL

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

Product reorder name: DSL229

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.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	470	kgf/cm ²	ASTM D 638
Tensile Strain, break	4.6	%	ASTM D 638
Tensile Modulus, 50 mm/min	24900	kgf/cm ²	ASTM D 638
Flexural Stress	770	kgf/cm ²	ASTM D 790
Flexural Modulus	26200	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	60	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	6	cm-kgf/cm	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	120	°C	ASTM D 648
PHYSICAL			
Density	1.39	g/cm ³	ASTM D 792
Mold Shrinkage, flow, 0.75-2.3 mm (5)	0	%	SABIC Method
Mold Shrinkage, flow, 24 hrs (5)	0.5	%	ASTM D 955
ELECTRICAL			
Surface Resistivity	1.E+01 - 1.E+06	Ohm	ASTM D 257
Surface Resistivity, ROA	1.E+01 - 1.E+06	Ohm	IEC 60093
FLAME CHARACTERISTICS			
UL Compliant, 94V-0 Flame Class Rating (3)(4)	1.5	mm	UL 94 by SABIC-IP



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
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