+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

SABIC Innovative Plastics™

LNP* Stat-kon* Compound DEP32XXC

Asia Pacific: COMMERCIAL

Also known as: LNP* Stat-kon* Compound DCL-4532 LEX
Product reorder name: DEP32XXC

LNP* STAT-KON* DEP32XXC is a compound based on Polycarbonate resin containing PTFE, Silicone, Carbon Fiber. Added features of this material include: Electrically Conductive.

TYPICAL PROPERTIES [1]	TYPICAL VALUE	UNIT	STANDARD
MECHANICAL			
Tensile Stress, break	930	kgf/cm²	ASTM D 638
Tensile Strain, break	2	%	ASTM D 638
Tensile Modulus, 50 mm/min	80100	kgf/cm²	ASTM D 638
Flexural Stress	1260	kgf/cm²	ASTM D 790
Flexural Modulus	55500	kgf/cm²	ASTM D 790
Tensile Stress, break	43	MPa	ISO 527
Tensile Strain, break	3	%	ISO 527
Tensile Modulus, 1 mm/min	7884000	MPa	ISO 527
Flexural Stress	137	MPa	ISO 178
Flexural Modulus	6491000	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	20	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	5	cm-kgf/cm	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	163	cm-kgf	ASTM D 3763
Multiaxial Impact	61	cm-kgf	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	24	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	9	kJ/m²	ISO 180/1A
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	142	°C	ASTM D 648
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	143	°C	ISO 75/Af
PHYSICAL			
Density	1.3	g/cm³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.1	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs	0.1	%	ASTM D 955

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TYPICAL PROPERTIES [1]	TYPICAL VALUE	UNIT	STANDARD
PHYSICAL			
Mold Shrinkage, xflow, 24 hrs	0.2	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs	0.12	%	ISO 294
Mold Shrinkage, xflow, 24 hrs	0.15	%	ISO 294
Density	1.29	g/cm³	ISO 1183
Moisture Absorption (23°C / 50% RH)	0.16	%	ISO 62
ELECTRICAL			
Volume Resistivity	1.E+02 - 1.E+06	Ohm-cm	ASTM D 257
Surface Resistivity	1.E+02 - 1.E+06	Ohm	ASTM D 257