LNP™ STAT-KON™ COMPOUND OEP32

OCL-4532 LEX
REGION ASIA

DESCRIPTION

LNP STAT-KON* OEP32 is a compound based on PPS - Linear resin containing 10% Carbon Fiber, 15% PTFE/Silicone. Added features of this material include: Electrically Conductive, Wear Resistant.

TYPICAL PROPERTY VALUES

Revision 20190717

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, break	127	MPa	ASTM D 638
Tensile Strain, break	1.6	%	ASTM D 638
Tensile Modulus, 5 mm/min	11220	MPa	ASTM D 638
Flexural Stress	168	MPa	ASTM D 790
Flexural Modulus	9720	MPa	ASTM D 790
Tensile Stress, break	125	MPa	ISO 527
Tensile Strain, break	1.4	%	ISO 527
Tensile Modulus, 1 mm/min	11240	MPa	ISO 527
Flexural Stress	172	MPa	ISO 178
Flexural Modulus	9740	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	428	J/m	ASTM D 4812
Izod Impact, notched, 23°C	37	J/m	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	8	J	ASTM D 3763
Multiaxial Impact	2	J	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	23	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	5	kJ/m²	ISO 180/1A
THERMAL			
Relative Temp Index, Elec [1]	130	°C	UL 746B
Relative Temp Index, Mech w/impact [1]	130	°C	UL 746B
Relative Temp Index, Mech w/o impact [1]	130	°C	UL 746B
PHYSICAL			
Density	1.41	g/cm³	ASTM D 792
Mold Shrinkage, flow, 24 hrs	0.5 – 0.7	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	0.6 – 0.8	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs	0.5 – 0.7	%	ISO 294
Mold Shrinkage, xflow, 24 hrs	0.6 – 0.8	%	ISO 294
Wear Factor Washer	39	10^-10 in^5-min/ft-lb-hr	ASTM D 3702 Modified: Manual
Dynamic COF	0.32	-	ASTM D 3702 Modified: Manual
Static COF	0.33	-	ASTM D 3702 Modified: Manual
Density	1.41	g/cm³	ISO 1183
ELECTRICAL			
Surface Resistivity	1.E+02 – 1.E+04	Ohm	ASTM D 257

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PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
FLAME CHARACTERISTICS [1]			
UL Yellow Card Link	E207780-103093471	-	-
UL Recognized, 94V-0 Flame Class Rating	1	mm	UL 94

(1) UL Ratings shown on the technical datasheet might not cover the full range of thicknesses and colors. For details, please see the UL Yellow Card.

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