

## LNP\* Stat-kon\* Compound OEP32

Americas: COMMERCIAL

Also known as: OCL-4532 LEX  
Product Reorder Name: OEP32

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

### Property

TYPICAL PROPERTIES <sup>(1)</sup>			
MECHANICAL	Value	Unit	Standard
Tensile Stress, break	127	MPa	ASTM D 638
Tensile Strain, break	1.6	%	ASTM D 638
Tensile Modulus, 50 mm/min	10560	MPa	ASTM D 638
Flexural Stress	193	MPa	ASTM D 790
Flexural Modulus	8540	MPa	ASTM D 790
Tensile Stress, break	125	MPa	ISO 527
Tensile Strain, break	2	%	ISO 527
Tensile Modulus, 1 mm/min	10590	MPa	ISO 527
Flexural Stress	431	MPa	ISO 178
Flexural Modulus	27090	MPa	ISO 178
IMPACT	Value	Unit	Standard
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/m <sup>2</sup>	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	5	kJ/m <sup>2</sup>	ISO 180/1A
PHYSICAL	Value	Unit	Standard
Density	1.41	g/cm <sup>3</sup>	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 <sup>-10</sup> in <sup>5</sup> -min/ft-lb-hr	ASTM D 3702 Modified
Dynamic COF	0.32	-	ASTM D 3702 Modified
Static COF	0.33	-	ASTM D 3702 Modified
Density	1.41	g/cm <sup>3</sup>	ISO 1183
Moisture Absorption (23°C / 50% RH)	0	%	ISO 62
ELECTRICAL	Value	Unit	Standard
Surface Resistivity	1.E+02 - 1.E+04	Ohm	ASTM D 257

Source GMD, last updated:04/26/2005

### Processing

THESE PROPERTY VALUES ARE NOT INTENDED FOR SPECIFICATION PURPOSES.

PLEASE CHECK WITH YOUR [\(LOCAL SALES OFFICE\)](#) FOR AVAILABILITY IN YOUR REGION

(1) Typical values only. Variations within normal tolerances are possible for various colors. All values are measured after at least 48 hours storage at 23°C/50% relative humidity. All properties, except the melt volume and melt flow rates, are measured on injection molded samples. All samples tested under ISO test standards are prepared according to ISO 294.

(2) Only typical data for selection purposes. Not to be used for part or tool design.

(3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

(4) Internal measurements according to UL standards.

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