

Product Texts

LNP STAT-KON OEP32 compound is based on Polyphenylene Sulfide (PPS) linear resin containing 10% carbon fiber, 15% PTFE/silicone. Added features of this grade include: Electrically Conductive, Wear Resistant.

UL Yellow Card Link [E121562-101283798](https://www.ul.com/yellow-card/E121562-101283798)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
Molding shrinkage, normal	0.7	%	ISO 294-4, 2577
ASTM Data			
Mold Shrinkage, MD	0.6	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.7	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	11200	MPa	ISO 527
Stress at break	125	MPa	ISO 527
Strain at break	1.4	%	ISO 527
Flexural modulus	9740	MPa	ISO 178
Flexural strength	172	MPa	ISO 178
Izod impact strength, +23°C, 4mm	23	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	5	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	11220	MPa	ASTM D 638
Tensile Strength at Break	127	MPa	ASTM D 638
Elongation at Break	1.4	%	ASTM D 638
Flexural Modulus	9720	MPa	ASTM D 790
Izod Impact notched, 1/8 in	37	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	428	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	1.0	mm	-

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	10000	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1410	kg/m ³	ISO 1183
Density	1410	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120 - 150	°C	-
Pre-drying - Time	4	h	-
Melt temperature	315 - 320	°C	-
Mold temperature	140 - 165	°C	-
Zone 1	305 - 315	°C	-
Zone 2	320 - 330	°C	-
Zone 3	330 - 345	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics

LNP™ STAT-KON™ Compound OEP32 - Americas

(PPS+PTFE)-CF10

Saudi Basic Industries Corporation (SABIC)

Processing

Injection Molding

Regional Availability

North America

Special Characteristics

Increased electrical conductivity