

Product Texts

LNP STAT-KON QD000I compound is based on Nylon 6/10 resin containing conductive carbon powder. Added features of this grade include: Electrically Conductive, High Impact.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Break	31	MPa	ASTM D 638
Elongation at Break	52.7	%	ASTM D 638
Flexural Modulus	1720	MPa	ASTM D 790
Flexural Strength	54	MPa	ASTM D 790
Izod Impact notched, 1/8 in	603	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	55	°C	ASTM D 648

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

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.28	%	ASTM D 570
Density	1110	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.2	%	-
Melt temperature	270 - 275	°C	-
Mold temperature	80 - 95	°C	-
Zone 1	250 - 260	°C	-
Zone 2	260 - 270	°C	-
Zone 3	270 - 280	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Increased electrical conductivity