

LNP™ STAT-KON™ KE002 compound

Acetal (POM) Copolymer

SABIC Innovative Plastics Europe

Message:

LNP STAT-KON KE002 is a compound based on ACETAL COPOLY resin containing Carbon Fiber. Added features of this material include: Electrically Conductive.

Also known as: LNP* STAT-KON* Compound KC-1002

Product reorder name: KE002

General Information			
Filler / Reinforcement	Carbon Fiber		
Features	Electrically Conductive		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.42	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹	0.30 to 0.60	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7600	MPa	ISO 527-2/1
Tensile Stress (Yield)	69.0	MPa	ISO 527-2/5
Tensile Strain (Yield)	1.1	%	ISO 527-2/5
Flexural Modulus ²	7000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	5.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	20	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵ (1.8 MPa, Unannealed, 64.0 mm Span)	155	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	3.1E-5	cm/cm/°C	
Transverse : 23 to 60°C	1.2E-4	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 to 1.0E+4	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Rear Temperature	177 to 188	°C	
Middle Temperature	193 to 204	°C	
Front Temperature	210 to 221	°C	
Processing (Melt) Temp	199 to 216	°C	
Mold Temperature	82.2 to 110	°C	

Back Pressure	0.172 to 0.344	MPa
Screw Speed	30 to 60	rpm

NOTE		
1.	Tensile Bar	
2.	2.0 mm/min	
3.	80*10*4	
4.	80*10*4	
5.	80*10*4 mm	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT