

LNP™ STAT-KON™ KX02764 compound

Acetal (POM) Copolymer

SABIC Innovative Plastics

Message:

LNP STAT-KON* KX02764 is a compound based on Acetal resin containing Proprietary Filler(s). Added feature of this material is: Electrically Conductive.

Also known as: LNP* STAT-KON* Compound PDX-K-02764

Product reorder name: KX02764

General Information			
Filler / Reinforcement	Proprietary		
Features	Electrically Conductive		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage	ASTM D955, ISO 294-4		
Flow : 24 hr	1.5 to 3.5	%	
Across Flow : 24 hr	1.5 to 3.5	%	
Water Absorption			
24 hr, 50% RH	0.18	%	ASTM D570
Equilibrium, 23°C, 50% RH	0.25	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	3490	MPa	ASTM D638
--	3470	MPa	ISO 527-2/1
Tensile Strength			
Yield	53.7	MPa	ASTM D638
Yield	53.0	MPa	ISO 527-2
Break	47.1	MPa	ASTM D638
Break	46.0	MPa	ISO 527-2
Tensile Elongation			
Yield	3.8	%	ASTM D638
Yield	4.0	%	ISO 527-2
Break	10	%	ASTM D638
Break	18	%	ISO 527-2
Flexural Modulus	3020	MPa	ASTM D790, ISO 178
Flexural Strength			
--	100	MPa	ASTM D790
--	96.7	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	43	J/m	ASTM D256

23°C ²	4.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact			
23°C	370	J/m	ASTM D4812
23°C ³	53	kJ/m ²	ISO 180/1U
Instrumented Dart Impact			
23°C, Energy at Peak Load	3.06	J	ASTM D3763
--	7.60	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed, 3.20 mm	107	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ⁴	103	°C	ISO 75-2/Af
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 to 1.0E+6	ohms	ASTM D257
Volume Resistivity	1.0E+2 to 1.0E+6	ohms·cm	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.	50 mm/min		
2.	80*10*4		
3.	80*10*4		
4.	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