

LNP™ STAT-KON™ WEF32ISP compound

Polybutylene Terephthalate

SABIC Innovative Plastics Europe

Message:

LNP * STAT-KON* WEF32ISP is a compound based on Polybutylene Terephthalate resin containing Glass Fiber and Carbon Fiber. Added features include High Impact, Heat Stabilized and Electrically Conductive.

General Information			
Filler / Reinforcement	Glass\Carbon Fiber		
Additive	Heat Stabilizer		
Features	Electrically Conductive		
	Heat Stabilized		
	High Impact Resistance		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.15	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	101	MPa	ISO 527-2/5
Tensile Strain (Break)	4.0	%	ISO 527-2/5
Flexural Modulus ¹	7800	MPa	ISO 178
Flexural Stress	152	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	17	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	65	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed, 64.0 mm Span)	191	°C	ISO 75-2/Af
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+3 to 1.0E+5	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.050	%	
Rear Temperature	221 to 232	°C	
Middle Temperature	243 to 254	°C	
Front Temperature	260 to 271	°C	
Processing (Melt) Temp	238 to 266	°C	
Mold Temperature	82.2 to 98.9	°C	

Back Pressure	0.172 to 0.344	MPa
Screw Speed	30 to 60	rpm
NOTE		
1.	2.0 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