

LNP™ STAT-KON™ UEF26AS compound

Polyphthalamide

SABIC Innovative Plastics Europe

Message:

LNP STAT-KON UEF26AS is a compound based on Polyphthalamide resin containing Glass Fiber, Carbon Fiber. Added features of this material include: Electrically Conductive.

Also known as: LNP* STAT-KON* Compound UCF-1006-2 A

Product reorder name: UEF26AS

General Information			
Filler / Reinforcement	Glass\Carbon Fiber		
Features	Electrically Conductive		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.41	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹	0.10 to 0.20	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	255	MPa	ISO 527-2/5
Tensile Strain (Break)	1.3	%	ISO 527-2/5
Flexural Modulus ²	26600	MPa	ISO 178
Flexural Stress	366	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	8.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	40	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵ (1.8 MPa, Unannealed, 64.0 mm Span)	271	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	8.4E-6	cm/cm/°C	
Transverse : 23 to 60°C	4.7E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	10 to 1.0E+3	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	121 to 149	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15	%	
Rear Temperature	310 to 321	°C	
Middle Temperature	316 to 327	°C	
Front Temperature	327 to 338	°C	
Processing (Melt) Temp	316 to 332	°C	

Mold Temperature	138 to 166	°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 |

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