

LNP™ STAT-KON™ WE003ER compound

Polybutylene Terephthalate

SABIC Innovative Plastics Europe

Message:

LNP STAT-KON WE003ER is a compound based on Polybutylene Terephthalate resin containing Carbon Fiber. Added features of this material include: Easy Molding, Easy Release, Electrically Conductive.

Also known as: LNP* STAT-KON* Compound WC-1003 EM ER

Product reorder name: WE003ER

General Information			
Filler / Reinforcement	Carbon Fiber		
Features	Electrically Conductive		
	Good Mold Release		
	Good Moldability		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.35	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹	0.20 to 0.40	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10800	MPa	ISO 527-2/1
Tensile Stress (Break)	127	MPa	ISO 527-2/5
Tensile Strain (Break)	2.1	%	ISO 527-2/5
Flexural Modulus ²	8800	MPa	ISO 178
Flexural Stress	160	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	6.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	35	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵			
0.45 MPa, Unannealed, 64.0 mm Span	219	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	194	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : -40 to 40°C	2.5E-5	cm/cm/°C	
Transverse : -40 to 40°C	7.5E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 to 1.0E+4	ohms	ASTM D257
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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Recommended distributors for this material

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