

LNP™ STAT-KON™ WS002I compound

Polybutylene Terephthalate

SABIC Innovative Plastics

Message:

LNP STAT-KON WS002I is a compound based on Polybutylene Terephthalate resin containing Stainless Steel. Added features of this material include: Electrically Conductive, High Impact.

Also known as: LNP* STAT-KON* Compound WS-HI

Product reorder name: WS002I

General Information			
Filler / Reinforcement	Stainless steel fiber		
Features	Conductivity		
	Impact resistance, high		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow: 24 hours	1.6	%	ASTM D955
Transverse flow: 24 hours	2.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	1100	MPa	ASTM D638
Tensile Strength (Break)	36.5	MPa	ASTM D638
Flexural Modulus	1930	MPa	ASTM D790
Flexural Strength	55.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	96	J/m	ASTM D256
Unnotched Izod Impact (23°C)	1200	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	138	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	10 - 1.0E+6	ohms	ASTM D257
NOTE			
1.	50 mm/min		

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Recommended distributors for this material

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