

LNP™ STAT-KON™ TX06488NTX1 compound

Polyurethane

SABIC Innovative Plastics

Message:

LNP STAT-KON TX06488NTX1 is a compound based on Polyurethane resin containing Proprietary Filler(s). Added features of this grade are: Excellent Ductility, Electrically Conductive.

Also known as: LNP* STAT-KON* Compound TX06488

Product reorder name: TX06488NTX1

General Information			
Filler / Reinforcement	Proprietary		
Features	Ductile		
	Electrically Conductive		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow : 24 hr	0.80 to 1.0	%	
Across Flow : 24 hr	0.40 to 0.60	%	
Water Absorption			
24 hr, 50% RH	0.67	%	ASTM D570
Equilibrium, 23°C, 50% RH	0.89	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	65.0	MPa	ASTM D638
Tensile Strength ²			ASTM D638
Yield	19.0	MPa	
Break	18.0	MPa	
Tensile Elongation ³			ASTM D638
Yield	390	%	
Break	390	%	
Flexural Modulus ⁴ (50.0 mm Span)	63.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Instrumented Dart Impact			
23°C, Total Energy	39.8	J	ASTM D3763
--	41.0	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 3.20 mm	23.0	°C	ASTM D648
0.45 MPa, Unannealed, 64.0 mm Span ⁵	23.0	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 3.20 mm	23.0	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ⁶	23.0	°C	ISO 75-2/Af

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 to 1.0E+5	ohms	ASTM D257
NOTE			
1.	5.0 mm/min		
2.	Type I, 5.0 mm/min		
3.	Type I, 5.0 mm/min		
4.	1.3 mm/min		
5.	80*10*4 mm		
6.	80*10*4 mm		

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