

LNP™ STAT-KON™ DX05305C compound

Polycarbonate

SABIC Innovative Plastics Asia Pacific

Message:

LNP STAT-KON DX05305C is a compound based on Polycarbonate resin containing Carbon Powder. Added features of this material include: Electrically Conductive, Clean Compounding System.
Also known as: LNP* STAT-KON* Compound PDX-D-05305 CCS
Product reorder name: DX05305C

General Information			
UL YellowCard	E207780-101284661		
Filler / Reinforcement	Carbon Powder		
Features	Electrically Conductive		
	Low (to None) Ion Content		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage			ASTM D955, ISO 294-4
Flow : 24 hr	0.74	%	
Across Flow : 24 hr	0.61	%	
Water Absorption (24 hr, 50% RH)	0.10	%	ASTM D570

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	2650	MPa	ASTM D638
--	2630	MPa	ISO 527-2/1
Tensile Strength			
Yield	22.8	MPa	ASTM D638
Break	52.4	MPa	ASTM D638
Break	54.9	MPa	ISO 527-2
Tensile Elongation			
Yield	1.9	%	
Break	5.9	%	
Flexural Modulus			
--	2600	MPa	ASTM D790
--	2730	MPa	ISO 178
Flexural Strength			
--	96.5	MPa	ASTM D790
--	102	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	48	J/m	ASTM D256

23°C ²	5.1	kJ/m ²	ISO 180/1A
Unnotched Izod Impact			
23°C	1000	J/m	ASTM D4812
23°C ³	80	kJ/m ²	ISO 180/1U
Instrumented Dart Impact			
23°C, Energy at Peak Load	2.96	J	ASTM D3763
--	5.10	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 3.20 mm	142	°C	ASTM D648
0.45 MPa, Unannealed, 64.0 mm Span ⁴	130	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 3.20 mm	135	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ⁵	132	°C	ISO 75-2/Af
CLTE			
Flow : -40 to 40°C	6.5E-5	cm/cm/°C	ASTM E831
Flow : -40 to 40°C	6.1E-5	cm/cm/°C	ISO 11359-2
Transverse : -40 to 40°C	6.1E-5	cm/cm/°C	ASTM E831
Transverse : -40 to 40°C	6.2E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 to 1.0E+5	ohms	ASTM D257
Volume Resistivity	1.0E+2 to 1.0E+5	ohms·cm	ASTM D257
NOTE			
1.	50 mm/min		
2.	80*10*4		
3.	80*10*4		
4.	80*10*4 mm		
5.	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

