

Titalon® 5208NC

Polycarbonate

Titan Plastics Compounds Co., Ltd.

Message:

Titalon®5208NC is a polycarbonate (PC) material that contains carbon nano-fillers. This product is available in the Asia-Pacific region. Titalon®The main characteristics of 5208NC are: flame retardant/rated flame.

General Information			
Filler / Reinforcement	Carbon nano filler		
Features	Antistatic property		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Molding Shrinkage ¹ (3.00 mm)	0.70 - 0.80	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	62.0	MPa	ISO 527-2
Tensile Strain (Break)	> 10	%	ISO 527-2
Flexural Modulus	2200	MPa	ISO 178
Flexural Stress	94.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	15	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	138	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+4 - 1.0E+6	ohms	IEC 60093
Volume Resistivity	1.0E+4 - 1.0E+6	ohms·cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	120 - 140	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	270 - 290	°C	
Mold Temperature	80.0 - 120	°C	
Injection instructions			
Injection Pressure: 40 to 80%Injection Velocity: 10 to 30%			
NOTE			
1.	50x70x3 mm		

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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



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