

TYNEC® CG300

Polycarbonate
Tyne Plastics LLC.

Message:
Data was measured on natural colored test specimens.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.10 to 0.30	%	ASTM D955
Water Absorption			ASTM D570
24 hr	0.11	%	
Saturation	0.29	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8960	MPa	ASTM D638
Tensile Strength (Break)	124	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	8270	MPa	ASTM D790
Flexural Strength	159	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	160	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	1200	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	152	°C	
1.8 MPa, Unannealed	149	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257
Dielectric Strength (3.18 mm, in Air)	16	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.20		ASTM D150
Dissipation Factor (1 MHz)	0.010		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.59 mm	V-2		
3.18 mm	V-1		

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

