

Zhongfa PC G2830

Polycarbonate

Yuyao Zhongfa Engineering Plastics Co. Ltd.

Message:

Zhongfa PC G2830 is a polycarbonate (PC) material, which contains a 30% glass fiber reinforced material. This product is available in the Asia-Pacific region and is processed by injection molding.

The main features of Zhongfa PC G2830 are:

- flame retardant/rated flame
- Good dimensional stability
- Heat resistance

Typical application areas include:

- Electrical/electronic applications
- electrical appliances
- Automotive Industry
- Sporting goods

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Good dimensional stability		
	Heat resistance, high		
Uses	Electrical/Electronic Applications		
	Electrical appliances		
	Application in Automobile Field		
	Sporting goods		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.10 - 0.30	%	ASTM D955
Water Absorption (Equilibrium)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	130	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	7000	MPa	ASTM D790
Flexural Strength	175	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	151	°C	ASTM D648
1.8 MPa, not annealed	147	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	4.0E+16	ohms · cm	ASTM D257

Dielectric Strength	24	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-1		UL 94
3.20 mm	V-1		UL 94

Additional Information

Flexural Modulus, ASTM D790: 6000 to 8000 MPa Flexural Strength, ASTM D790: 155 to 195 MPa HDT at 264 psi, ASTM D648: 146 to 148°C HDT at 66 psi, ASTM D648: 150 to 152°C Notched Izod Impact, ASTM D256: 12 to 18 kJ/m² Tensile Elongation, ASTM D638: 4 to 6% Tensile Strength, ASTM D638: 125 to 145 MPa

Injection	Nominal Value	Unit
Drying Temperature	105 - 110	°C
Drying Time	4.0 - 5.0	hr
Processing (Melt) Temp	210 - 255	°C
Mold Temperature	60.0 - 80.0	°C
Injection Pressure	70.0 - 100	MPa

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

