

# Zhongfa PET G30FR

Polyethylene Terephthalate

Yuyao Zhongfa Engineering Plastics Co. Ltd.

Message:

Zhongfa PET G30FR is a polyethylene terephthalate (PET) 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 characteristics of Zhongfa PET G30FR are:

- flame retardant/rated flame
- Flame Retardant
- high strength
- insulation
- Heat resistance

Typical application areas include:

- Electrical/electronic applications
- electrical appliances
- Automotive Industry

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	Flame retardancy		
Features	High tensile strength		
	Insulation		
	Good liquidity		
	Good heat aging resistance		
	Flame retardancy		
Uses	Electrical/Electronic Applications		
	Electrical appliances		
	Application in Automobile Field		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.65	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.30 - 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	150	MPa	ASTM D638
Tensile Elongation (Break)	3.5	%	ASTM D638
Flexural Modulus	9600	MPa	ASTM D790
Flexural Strength	225	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	240	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method

Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-0		UL 94
3.20 mm	V-0		UL 94

#### Additional Information

Notched Izod Impact, ASTM D256: 8.5 kJ/m<sup>2</sup>

Injection	Nominal Value	Unit
Drying Temperature	125 - 130	°C
Drying Time	5.0 - 8.0	hr
Processing (Melt) Temp	250 - 280	°C
Mold Temperature	60.0 - 100	°C
Injection Pressure	80.0 - 120	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

