

# Zhongfa PC/ABS CW-100-FR

Polycarbonate + ABS

Yuyao Zhongfa Engineering Plastics Co. Ltd.

Message:

Zhongfa PC/ABS CW-100-FR is a polycarbonate acrylonitrile butadiene styrene (PC ABS) material. This product is available in the Asia-Pacific region and is processed by injection molding.

The main features of Zhongfa PC/ABS CW-100-FR are:

flame retardant/rated flame

Flame Retardant

high liquidity

Good processability

Typical application areas include:

Electrical/electronic applications

electrical appliances

General Information			
Additive	Flame retardancy		
Features	Workability, good		
	High liquidity		
	Flame retardancy		
Uses	Electrical/Electronic Applications		
	Electrical appliances		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)	20	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 - 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	45.0	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	2700	MPa	ASTM D790
Flexural Strength	60.0	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	95.0	°C	ASTM D648
Vicat Softening Temperature	110	°C	ASTM D1525
Flammability	Nominal Value	Test Method	
Flame Rating			UL 94
1.66 mm	V-0	UL 94	
3.20 mm	V-0	UL 94	

#### Additional Information

Notched Izod Impact, ASTM D256: 40 kJ/m<sup>2</sup>

Injection	Nominal Value	Unit
Drying Temperature	80.0 - 85.0	°C
Drying Time	2.0 - 3.0	hr
Processing (Melt) Temp	220 - 240	°C
Mold Temperature	40.0 - 80.0	°C
Injection Pressure	60.0 - 90.0	MPa

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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

