

Zhongfa PC/ABS CL-90FR

Polycarbonate + ABS

Yuyao Zhongfa Engineering Plastics Co. Ltd.

Message:

Zhongfa PC/ABS CL-90FR 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 CL-90FR 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 | 1.15 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) | 12 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow | 0.40 - 0.60 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength | 35.0 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 55 | % | ASTM D638 |
| Flexural Modulus | 2300 | MPa | ASTM D790 |
| Flexural Strength | 50.0 | MPa | ASTM D790 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 90.0 | °C | ASTM D648 |
| Vicat Softening Temperature | 100 | °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: 35 kJ/m²

| 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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