

Zhongfa AS AS-G

Acrylonitrile Styrene Copolymer
Yuyao Zhongfa Engineering Plastics Co. Ltd.

Message:

Zhongfa AS AS-G is an acrylonitrile styrene copolymer (AS) material, and its filler is 30% filler. This product is available in the Asia-Pacific region and is processed by injection molding.

The main features of Zhongfa AS AS-G are:

- high strength
- Good processability
- Good dimensional stability
- Heat resistance

Typical application areas include:

- electrical appliances
- Furniture
- Automotive Industry

| General Information | | | |
|--|---------------------------------|-------------------|-------------|
| Filler / Reinforcement | Filler, 30% filler by weight | | |
| Features | Good dimensional stability | | |
| | High tensile strength | | |
| | Workability, good | | |
| | Good liquidity | | |
| | Heat resistance, high | | |
| Uses | Electrical appliances | | |
| | Furniture | | |
| | Application in Automobile Field | | |
| Forms | Particle | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.32 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) | 3.0 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow | 0.50 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength | 104 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 30 | % | ASTM D638 |
| Flexural Strength | 150 | MPa | ASTM D790 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 98.0 | °C | ASTM D648 |
| Additional Information | | | |
| Notched Izod Impact, ASTM D256: 4.5 kJ/m ² Unnotched Izod Impact, ASTM D256: 14 kJ/m ² | | | |
| Injection | Nominal Value | Unit | |

| | | |
|------------------------|-------------|-----|
| Drying Temperature | 80.0 - 85.0 | °C |
| Drying Time | 2.0 - 3.0 | hr |
| Processing (Melt) Temp | 200 - 225 | °C |
| Mold Temperature | 40.0 - 80.0 | °C |
| Injection Pressure | 60.0 - 90.0 | MPa |

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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



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