

KumhoSunny AES HW602HF

Acrylonitrile Ethylene Styrene
Shanghai KumhoSunny Plastics Co., Ltd.

Message:

HW602HF is injection grade AES resin.It has high weather resistance properties and high flow properties.HW602HF is mainly used in automobile parts,electric and electron,building material,sports equipment,etc.

| General Information | | | |
|---|------------------------------------|-------------------|-------------------------|
| Features | Good Weather Resistance | | |
| | High Flow | | |
| Uses | Automotive Applications | | |
| | Building Materials | | |
| | Electrical/Electronic Applications | | |
| | Sporting Goods | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.04 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (220°C/10.0 kg) | 35 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow | 0.40 to 0.70 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength | 52.0 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 22 | % | ASTM D638 |
| Flexural Modulus | 2300 | MPa | ASTM D790 |
| Flexural Strength | 73.0 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (3.20 mm) | 180 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 87.0 | °C | ASTM D648 |
| Vicat Softening Temperature | 97.0 | °C | ASTM D1525 ¹ |
| Electrical | Nominal Value | Unit | Test Method |
| Surface Resistivity | > 1.0E+14 | ohms | IEC 60093 |
| Volume Resistivity | > 1.0E+14 | ohms · cm | IEC 60093 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating | HB | | UL 94 |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 80.0 to 90.0 | °C | |

| | | |
|------------------------|--------------|-----|
| Drying Time | 3.0 to 4.0 | hr |
| Suggested Max Moisture | 0.050 | % |
| Rear Temperature | 190 to 210 | °C |
| Middle Temperature | 200 to 230 | °C |
| Front Temperature | 200 to 220 | °C |
| Nozzle Temperature | 200 to 220 | °C |
| Processing (Melt) Temp | 220 to 240 | °C |
| Mold Temperature | 50.0 to 80.0 | °C |
| Back Pressure | 1.00 to 2.00 | MPa |
| Screw Speed | 30 to 60 | rpm |

NOTE

1. Rate B (120°C/h)

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