

SILVER® PP 423G20

Polypropylene

Guangdong Silver Age Sci & Tech. Co., Ltd

Message:

SILVER® Modified Polyolefin includes modified polyethylene and modified polypropylene. Modified polyethylene is mainly applied to cable jacket. Black polyethylene compound is composed of polyethylene resin, carbon black, antioxidant and so on. Black polyethylene compound is applied to communication cable, control cable, signal cable, power cable, optical cable and submarine cable. It conforms to GB15065-94 Standard. Modified PP including flame resistant, glass fiber and mineral reinforced and weather-resistant, is widely applied in electronic & electrical appliances, household appliances, auto accessories, lightings, mechanical components and sockets, and so on. In addition, we develop new products according to customer's specific requirements.

Flame retardant PP

Characteristics:

glass fiber reinforced PP

Applications:

household appliance accessory, washer and other mechanical parts inner mechanical parts

| General Information | | | |
|---|--|-------------------|-------------|
| Filler / Reinforcement | Glass Fiber, 20% Filler by Weight | | |
| Uses | Appliance Components Machine/Mechanical Parts | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.07 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 4.0 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ | 50.0 | MPa | ASTM D638 |
| Tensile Elongation ² (Break) | 6.0 | % | ASTM D638 |
| Flexural Modulus ³ | 4000 | MPa | ASTM D790 |
| Flexural Strength ⁴ | 80.0 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (Area) (23°C) | 10.0 | kJ/m ² | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 145 | °C | ASTM D648 |
| NOTE | | | |
| 1. | 10 mm/min | | |
| 2. | 10 mm/min | | |
| 3. | 5.4 mm/min | | |
| 4. | 5.4 mm/min | | |

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