

MAJORIS EW302

Polypropylene

AD majoris

Message:

EW302 is a 30% mineral filled, special white polypropylene compound intended for injection moulding. EW302 has been developed especially for applications requiring high detergent resistance and high heat stabilized. The product is available in natural and black (EW302-8229) but other colours can be provided on request. The good flow ability of EW302 makes it very easy to process complicated parts with long flow paths.

APPLICATION

- Dishwasher components
- Household appliances
- Washing machine parts
- Electrical applications

| General Information | | | |
|---|---|-------------------|-----------------|
| Filler / Reinforcement | Glass fiber reinforced material, 30% filler by weight | | |
| Additive | heat stabilizer | | |
| Features | Recyclable materials | | |
| | Workability, good | | |
| | Good liquidity | | |
| | Heat resistance, high | | |
| | Detergent resistance | | |
| | Thermal Stability | | |
| | | | |
| | | | |
| | | | |
| Uses | Electrical/Electronic Applications | | |
| | Electrical appliances | | |
| | Home appliance components | | |
| Appearance | White | | |
| | Black | | |
| | Available colors | | |
| | Natural color | | |
| Forms | Particle | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.13 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 17 | g/10 min | ISO 1133 |
| Molding Shrinkage | 0.80 - 1.2 | % | Internal method |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress (Yield) | 35.0 | MPa | ISO 527-2/50 |
| Tensile Strain (Yield) | 20 | % | ISO 527-2/50 |

| | | | |
|---|---------------|-------------------|-------------|
| Flexural Modulus ¹ | 2300 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength (23°C) | 2.5 | kJ/m ² | ISO 179/1eA |
| Thermal | Nominal Value | Unit | Test Method |
| Heat Deflection Temperature (0.45 MPa, Unannealed) | 125 | °C | ISO 75-2/B |
| Flammability | Nominal Value | | Test Method |
| Flame Rating | HB | | UL 94 |
| Injection | Nominal Value | Unit | |
| Processing (Melt) Temp | 210 - 260 | °C | |
| Mold Temperature | 30.0 - 50.0 | °C | |
| Injection Rate | Moderate | | |
| Injection instructions | | | |
| Holding pressure: 50 to 70% of the injection pressure | | | |
| NOTE | | | |
| 1. | 2.0 mm/min | | |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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



WECHAT