

Pinnacle PP 2199H

Polypropylene Impact Copolymer

Pinnacle Polymers

Message:

100 MELT FLOW IMPACT COPOLYMER POLYPROPYLENE FOR INJECTION MOLDING

Pinnacle Polymers Polypropylene 2199H is made via UNIPOL™ PP technology, which utilizes gas-phase fluidized bed reactors with a high activity catalyst system to ensure uniform physical properties and lot-to-lot consistency.

This controlled rheology copolymer is intended for use in thin wall injection molded packaging, housewares and consumer products applications. Ultra High Melt Flow dramatically improves cycle-times without forfeiting properties. Contains nucleator and antistat.

The 2199H product provides:

- Excellent cycle-time
- Very high melt flow
- Excellent mold release
- Superior processability
- Excellent lot-to-lot consistency

| General Information | | | |
|---|---|-------------------|-------------|
| Additive | Antistatic Nucleating Agent | | |
| Features | Antistatic Controlled Rheology Good Mold Release Good Processability High Flow Impact Copolymer Nucleated | | |
| Uses | Consumer Applications Household Goods Thin-walled Packaging | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.900 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 100 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ (Yield, 3.20 mm, Injection Molded) | 20.0 | MPa | ASTM D638 |
| Tensile Elongation ² (Yield, 3.20 mm, Injection Molded) | 5.0 | % | ASTM D638 |
| Flexural Modulus - 1% Secant ³ (3.20 mm, Injection Molded) | 1070 | MPa | ASTM D790A |

| Impact | Nominal Value | Unit | Test Method |
|---|---------------|-------------------|-------------|
| Notched Izod Impact ⁴ (23°C, 3.20 mm, Injection Molded) | 69 | J/m | ASTM D256 |
| Notched Izod Impact (Area) ⁵ (23°C, 3.20 mm, Injection Molded) | 6.80 | kJ/m ² | ASTM D256 |
| Gardner Impact ⁶ (-30°C) | 24.0 | J | ASTM D5420 |

NOTE

- | | |
|----|-----------------------|
| 1. | Type I, 51 mm/min |
| 2. | Type I, 51 mm/min |
| 3. | Type I, 1.3 mm/min |
| 4. | Type I |
| 5. | Type I |
| 6. | Method G, Geometry GC |

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

