

Borealis PP HH315MO

Polypropylene Homopolymer

Borealis AG

Message:

HH315MO is a polypropylene homopolymer intended for injection moulding. Its high melt flow makes it especially suitable for products with long flow length. This grad is designed for high-speed injection moulding and contains nucleating, antistatic and slip additives. This polymer is a CR (controlled rheology) grade with narrow molecular weight distribution giving low warpage. Products originating from this grade have excellent demoulding properties, very high stiffness, good transparency and gloss and good impact strength at ambient temperatures.

| General Information | | | |
|---|--------------------------------------|-------------------|-------------|
| Additive | Antistatic | | |
| | Nucleating Agent | | |
| | Slip | | |
| Features | Antistatic | | |
| | Fast Molding Cycle | | |
| | Good Flow | | |
| | Good Impact Resistance | | |
| | Good Mold Release | | |
| | High Clarity | | |
| | High Gloss | | |
| | High Stiffness | | |
| | Homopolymer | | |
| | Low Warpage | | |
| | Narrow Molecular Weight Distribution | | |
| | Nucleated | | |
| | Slip | | |
| Uses | Caps | | |
| | Closures | | |
| | Containers | | |
| | Lids | | |
| | Support Trays | | |
| | Thin-walled Containers | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.910 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 35 | g/10 min | ISO 1133 |

| | | | |
|---|---------------------------|-------------------|--------------|
| Molding Shrinkage | 1.0 to 2.0 | % | |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale) | 102 | | ISO 2039-2 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 1650 | MPa | ISO 527-2/1 |
| Tensile Stress (Yield) | 36.0 | MPa | ISO 527-2/50 |
| Tensile Strain (Yield) | 8.0 | % | ISO 527-2/50 |
| 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 ¹ (0.45 MPa, Unannealed) | 105 | °C | ISO 75-2/B |
| Injection | Nominal Value | Unit | |
| Processing (Melt) Temp | 210 to 250 | °C | |
| Mold Temperature | 15.0 to 60.0 | °C | |
| Injection Rate | Fast | | |
| Holding Pressure | 20.0 to 50.0 | MPa | |
| NOTE | | | |
| 1. | Injection molded specimen | | |

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

