

OMIKRON BG 73 NAT

Polypropylene Homopolymer
TECNOPOL

Message:

OMIKRON BG 73 is an homopolymer polypropylene reinforced with 30% of glass fibre for injection moulding, high processability. It is available in natura. Coloured on demand.
OMIKRON BG 73 is suitable for moulding of items requiring stiffness and dimensional stability well as good aesthetic.

| General Information | | | |
|---|---|-------------------|-----------------|
| Filler / Reinforcement | Glass fiber reinforced material, 30% filler by weight | | |
| Features | Good dimensional stability | | |
| | Rigid, good | | |
| | Homopolymer | | |
| | Workability, good | | |
| | Excellent appearance | | |
| Appearance | Available colors | | |
| | Natural color | | |
| 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) | 4.0 | g/10 min | ISO 1133 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress (Yield) | 87.0 | MPa | ISO 527-2 |
| Tensile Strain (Break) | 3.0 | % | ISO 527-2 |
| Flexural Modulus | 5800 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 12 | kJ/m ² | ISO 180 |
| Aging | Nominal Value | Unit | Test Method |
| Accelerated Aging (150°C) | > 6.3 | day | Internal method |
| Thermal | Nominal Value | Unit | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 145 | °C | ISO 75-2/A |
| Vicat Softening Temperature | 135 | °C | ISO 306/B |
| Flammability | Nominal Value | Unit | Test Method |
| Burning Rate | < 100 | mm/min | FMVSS 302 |
| Flame Rating | HB | | UL 94 |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 90.0 | °C | |

| | | |
|------------------------|--------------|-----|
| Drying Time | 2.0 | hr |
| Rear Temperature | 230 - 260 | °C |
| Middle Temperature | 230 - 260 | °C |
| Front Temperature | 230 - 260 | °C |
| Mold Temperature | 40.0 - 60.0 | °C |
| Injection Pressure | 9.00 - 11.0 | MPa |
| Injection Rate | Moderate | |
| Back Pressure | 0.500 - 1.00 | MPa |
| Injection instructions | | |

Post Pressure: 60 - 80 bar

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

