

Polypropylene Bormed[™] RF825MO-01

Description

Bormed RF825MO -01 is a specially modified transparent polypropylene random copolymer with high meltflow. This polymer grade is intended for production of medical and medical-related articles. It is characterized by easy processability, high transparency, high gloss and good stiffness-impact balance. In addition it can be sterilized with ethylene oxide or steam and has an excellent chemical resistance.

In addition to its good physical properties and excellent transparency, this grade also yields products with good printability.

Applications

Needle hubs Blood tubes Urine tubes

Special features

Easy processability Improved gloss and excellent transparency Very good stiffness and impact balance Catheter connections Caps and closures Laboratory disposable

High gloss High chemical resistance Good printability

Physical Properties

| Property | Typical Value Data should not be used for specifica | Test Method ation work |
|--|--|---|
| Density Melt Flow Rate (230 °C/2,16 kg) Tensile Modulus (1 mm/min) Tensile Strain at Yield (50 mm/min) Tensile Stress at Yield (50 mm/min) | 905 kg/m3 20 g/10min 1.100 MPa 12 % 29 MPa | ISO 1183 ISO 1133 ISO 527-2 ISO 527-2 ISO 527-2 |
| Charpy Impact Strength, notched (23 °C) | 6 kJ/m² | ISO 179/1eA |

¹ Measured on injection moulded specimens acc. to ISO 1873-2

Processing Techniques

Bormed RF825MO is easy to process with standard injection moulding machines.

| Following parameters should be used as guidelines: | |
|--|----------------|
| Melt temperature | 220 - 250 °C |
| Holding pressure | 200 - 500 bar |
| Mould temperature | 30 - 40 °C |
| Injection speed | Medium to high |



Minimum to avoid sink marks.