

Injection Molding

Applications

- Catheter
- Disposable non pre-filled syringes
- Blood collection systems
- Laboratory disposable

Product Description: MED RCoPP 20905 is a resin intended for evaluation for use in Healthcare applications. This is a nucleated polypropylene homopolymer with a medium melt flow rate. Bormed HD810MO is specially formulated for production of articles which need to be sterilized with radiation (gamma and beta radiation). Tests on specimen radiated at 25 kGy have shown stability for 5 years when stored at room temperature. Material can also well be sterilised with ethylene oxide or steam.

Property	English Values	SI Values	Method
Melt Index (230°C/2.16 Kg)	10 g/10min	10 g/10min	ISO 1133
Density	0.907 g/cm ³	0.907 g/cm ³	ISO 1183
Mold Shrikage	1.0-2.0 %	1.0-2.0 %	
Tensile Modulus	167000 psi	1150 MPa	ISO 527-2/1
Tensile Stress at Yield	4280 psi	29.5 MPa	ISO 527-2/50
Tensile Strain at Yield	13 %	13 %	ISO 527-2/50
Flexural Modulus	181000 psi	1250 MPa	ISO 178
Charpy Notched Impact @ 73 °F	2.1 ft-lb/in ²	4.5 KJ/m ²	ISO 179/1eA
Heat Deflection Temperature 66 psi	194 °F	90/0 °C	ISO 75-2/B
Processing Temperature	428 - 500 °F	220 -260 °C	
Mold Temperature	86 - 104 °F	30 - 40 °C	
Holding Pressure	2900 - 7250 psi	20.0 - 50.0 MPa	

This information, to our knowledge, is believed to be correct. The use of this product in its actual conditions are beyond our control and satisfactory results for this product is the customer's sole responsibility. User must make their own decisions regarding its suitability for their equipment and final products.

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