StarResin™

PRODUCT DATA SHEET

MED RCoPP 20900
Random Copolymer Polypropylene

Injection Molding

Applications

- Needle hubs
- Catheter connections
- Diagnostic disposable
- Blood collection systems
- Laboratory disposable
- Disposable non pre-filled syringes

Product Description: MED RCoPP 20900 is is polypropylene random copolymer with high melt flow. Material is modified with a nucleating agent resulting in a fast crystallisation which gives possibilities for a fast cycle-time. Products produced from this resin are characterised with a very high transparency, high gloss and a good stiffness-impact balance. Material can be sterilised with ethylene oxide and steam.

Property	English Values	SI Values	Method
Melt Index (230°C/2.16 Kg)	20 g/10min	20 g/10min	ISO 1133
Density	0.905 g/cm^3	0.905 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	4060 psi	28.0 MPa	ISO 527-2/50
Tensile Strain at Yield	12 %	12 %	ISO 527-2/50
Flexural Modulus	160000 psi	1100 MPa	ISO 178
Charpy Notched Impact @ 73 °F	2.9 ft-lb/in^2	6.0 KJ/m^2	ISO 179/1eA
Heat Deflection Temperature 66 psi	176 °F	80.0 °C	ISO 75-2/B
Processing Temperature	428 - 482 °F	220 -250 °C	
Mold Temperature	86 - 104 °F	30 - 40 °C	
Holding Pressure	2900 - 7250 psi	20.0 - 50.0 MPa	

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