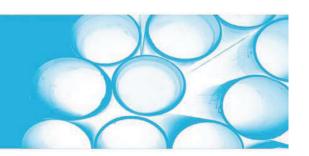


**MARPOL CoPP 20.NB** is a high melt flow rate impact copolymer polypropylene for injection molding applications. This resin offers very high impact resistance and good stiffness. It meets the requirements of the U.S. FDA as specified in 21 CFR 177.1520.

Resin Properties	Typical Value	Typical Value (SI)	Test Method
Melt Mass-Flow Rate (MFR) (230oC/2.16 kg)	20 g/10 min	20 g/10 min	ASTM D 1238
Density	0.894 g/cc	0.894 g/cc	ASTM D 792
Vicat Softening Temperature	289 °F	143 °C	ASTM D 1525
Tensile Strength (2 in/min) Yield Break	3,050 psi 2,350 psi	21 MPa 16 MPa	ASTM D 638
Elongation (2 in/min) Yield Break	7.9 % >300 %	7.9 % >300 %	ASTM D 638
1% Flexural Modulus	132 000 psi	910 MPa	ASTM D 790A
Hardness, Rockwell R	67	67	ASTM D 785
Notched Izod Impact 73 °F (23°C) -4 °F (-20°C)	No Break 1.7 ft.lbf/in	No Break 1.7 ft.lbf/in	ASTM D 256A
Heat Deflection Temperature 66 psi (455 kPa) 264 psi (1820 kPa)	179 °F 119 °F	82 °C 48 °C	ASTM D 648

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee as conditions and methods of use are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale.





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Resin Properties	Typical Value	Typical Value (SI)	Test Method
Gloss (60° angle)	83	83	ASTM D 2457
Instrumented Impact 73 °F (23°C) -4 °F (-20°C)	Ductile Mixed	Ductile Mixed	ASTM D 3763

Processing Method: Injection molding.

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