



MARPOL
COPP 20.NB
 Copolymer Polypropylene



PRODUCT DATA SHEET

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)			ASTM D 638
Yield	3,050 psi	21 MPa	
Break	2,350 psi	16 MPa	
Elongation (2 in/min)			ASTM D 638
Yield	7.9 %	7.9 %	
Break	>300 %	>300 %	
1% Flexural Modulus	132 000 psi	910 MPa	ASTM D 790A
Hardness, Rockwell R	67	67	ASTM D 785
Notched Izod Impact			ASTM D 256A
73 °F (23°C)	No Break	No Break	
-4 °F (-20°C)	1.7 ft.lbf/in	1.7 ft.lbf/in	
Heat Deflection Temperature			ASTM D 648
66 psi (455 kPa)	179 °F	82 °C	
264 psi (1820 kPa)	119 °F	48 °C	

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			ASTM D 3763
73 °F (23°C)	Ductile	Ductile	
-4 °F (-20°C)	Mixed	Mixed	

Processing Method: Injection molding.

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