

MARPOL® COPP 70.1.7 is a nucleated and antistatic high flow polypropylene medium impact copolymer designed for thin walled injection molding applications and closures. This product meets the requirements of the U.S. Food and Drug Administration (FDA) as specified in 21 CFR 177.1520.

Resin Properties	Typical Value	Typical Value (SI)	Test Method
Melt Index (230°C/2.16 kg)	70 g/10 min	70 g/10 min	ASTM D 1238
Density	0.910 g/cm ³	0.910 g/cm ³	ASTM D 792
Vicat Softening Temperature	295 °F	146 °C	ASTM D 1525
Tensile Strength (2 in/min) at Yield at Break	3350 psi 2630 psi	23 MPa 18 MPa	ASTM D 638
Elongation (2 in/min) at Yield at Break	5.2 % 43.5 %	5.2 % 43.5 %	ASTM D 638
1% Secant Flexural Modulus	168 000 psi	1160 MPa	ASTM D 790A
Notched Izod Impact Strength 73 °F (23°C) -4 °F (-20 °C)	1.7 ft.-lbf/in 1.0 ft.-lbf/in	9 kJ/m ² 5.4 kJ/m ²	ASTM D 256
Hardness Rockwell R	76.5	76.5	ASTM D 785
Heat Deflection Temperature at 66 psi (455 kPa) at 264 psi (1820 kPa)	220 °F 126 °F	105 °C 52 °C	ASTM D 648
Gloss Units (60° angle)		63	ASTM D 2457
Instrumented Impact (failure mode: ductile, brittle, mixed) 73 °F (23°C) -4 °F (-20 °C)	ductile mixed	ductile mixed	ASTM D 3763

Recommended application: Thin-walled injection molding and closures.

Additives: Nucleator, Antistatic.