

MARPOL® COPP 20.4

Polypropylene Impact Copolymer

Marco Polo International, Inc.

Message:

MARPOL® COPP 20.4 is a high impact, high stiffness medium melt flow copolymer. This resin is designed for injection molding applications that require faster molding cycles.

General Information			
Features	Rigidity, high		
	Impact copolymer		
	Impact resistance, high		
	Medium liquidity		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	25.5	MPa	ASTM D638
Tensile Elongation (Yield)	5.0	%	ASTM D638
Flexural Modulus - 1% Secant			
-- ¹	1370	MPa	ASTM D790A
-- ²	1590	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	260	J/m	ASTM D256
Dart Drop Impact (-29°C)	23.4	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	111	°C	ASTM D648
NOTE			
1.	1.3 mm/min		
2.	13 mm/min		

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Recommended distributors for this material

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