



# MARPOL® COPP 1.5.4

Marco Polo International, LLC - Polypropylene Impact Copolymer

Thursday, December 14, 2023

## General Information

### Product Description

MARPOL® CoPP 1.5.4 is a medium impact copolymer polypropylene resin that is very resistant to aging at elevated temperatures in dry and wet environments. This resin also offers an excellent balance of impact resistance and dimensional stability.

Recommended Applications: Film wrap, injection molding and blown film applications

### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Impact Copolymer • Medium Impact Resistance		
Uses	• Blown Film		
Processing Method	• Blown Film	• Injection Molding	

## ASTM & ISO Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.902	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	1.4	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.6	MPa	ASTM D638
Tensile Elongation (Yield)	9.0	%	ASTM D638
Flexural Modulus - 1% Secant <sup>2</sup>	1100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	200	J/m	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	75		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 0.45 MPa, Unannealed	85.0	°C	ASTM D648

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 1.3 mm/min