

MARPOL® COPP 1.5.4

Polypropylene Impact Copolymer

Marco Polo International, Inc.

Message:

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 Information			
Features	Impact copolymer Medium impact resistance		
Uses	Blown Film		
Processing Method	Blow film Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.902	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.4	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	75		ASTM D785
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 ¹	1100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	200	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	85.0	°C	ASTM D648
NOTE			
1.	1.3 mm/min		

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