

MARPOL® COPP 4.NB

Polypropylene Impact Copolymer

Marco Polo International, Inc.

Message:

MARPOL® COPP 4.NB is a high impact copolymer polypropylene designed for injection molding, extrusion and thermoforming applications. This resin has high crystallinity and excellent stiffness, toughness and impact resistance.

Recommended Applications: Crates, pallets, toys, tool boxes, tote boxes and industrial and consumer applications

General Information			
Features	High Toughness		
	Rigidity, high		
	High crystallization		
	Impact copolymer		
	Impact resistance, high		
Uses	Pallets		
	Tools/Parts Box		
	Industrial application		
	Toys		
	Consumer goods application field		
Processing Method	Extrusion		
	Thermoforming		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	26.1	MPa	ASTM D638
Tensile Elongation (Yield)	5.5	%	ASTM D638
Flexural Modulus - 1% Secant	1340	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	No Break		ASTM D256A
Dart Drop Impact (-29°C)	29.6	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	97.2	°C	ASTM D648

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Recommended distributors for this material

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