MARPOL® COPP 50.3.0

Polypropylene Impact Copolymer

Marco Polo International, Inc.

Message:

MARPOL® CoPP 50.3.0 is a medium to high impact polypropylene copolymer resin with a good balance of stiffness and toughness. It is ideal for injection molding applications of large consumer and industrial parts that require a high melt flow rate. This resin also exhibits good processability, mold release, surface finish, stability and colorability.
Recommended Applications: Automotive and consumer applications, household goods, containers, tool boxes and totes.

General Information	
Features	Impact copolymer
	Impact resistance, good
	Workability, good
	Good stability
	Good coloring
	High liquidity
	Good demoulding performance
	Excellent appearance
Uses	Tools/Parts Box
	Industrial components
	Household goods
	Application in Automobile Field
	Container
	Consumer goods application field
Processing Method	Injection molding

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	50	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	20.4	MPa	ASTM D638
Tensile Elongation (Yield)	3.8	%	ASTM D638
Flexural Modulus - 1% Secant	1050	MPa	ASTM D790A
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	120	J/m	ASTM D256A
Dart Drop Impact (-29°C)	22.9	J	ASTM D5420
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	96.1	°C	ASTM D648

Recommended distributors for this material

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