# MARPOL® COPP 10.2.0

Polypropylene Impact Copolymer

Marco Polo International, Inc.

## Message:

MARPOL® COPP 10.2.0 is a medium impact copolymer of polypropylene for use in injection molding applications. This resin has a good balance of physical properties and excellent dimensional stability.

| General Information | | | |
|---|---|---|---|
| Features | Good Dimensional Stability<br>Impact Copolymer<br>Medium Impact Resistance | | |
| Uses | Battery Cases<br>Lids | | |
| 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) | 10 | g/10 min | ASTM D1238 |
| **Hardness** | **Nominal Value** | **Unit** | **Test Method** |
| Rockwell Hardness (R-Scale) | 106 | | ASTM D785 |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Strength (Yield) | 23.4 | MPa | ASTM D638 |
| Tensile Elongation (Yield) | 6.0 | % | ASTM D638 |
| Flexural Modulus - 1% Secant | 1030 | MPa | ASTM D790 |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |
| Notched Izod Impact | | | ASTM D256 |
| 0°C | 80 | J/m | |
| 23°C | 110 | J/m | |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 85.0 | °C | ASTM D648 |



Recommended distributors for this material

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