

# REPOL® C080MA

Polypropylene Impact Copolymer

Reliance Industries Limited

## Message:

Repol C080MA is recommended for use in Injection Moulding processes where high impact strength is required. It is an ideal material to use in making furniture & industrial products. Repol C080MA contains antistatic agent that reduces static charge build-up in products.

| General Information  |                         |          |             |
|--|-------------------------|----------|-------------|
| Additive   | Antistatic              |          |             |
| Features   | Antistatic              |          |             |
|  | Food Contact Acceptable |          |             |
|  | High Impact Resistance  |          |             |
| Uses   | Furniture               |          |             |
|  | Industrial Applications |          |             |
|  | Pails                   |          |             |
| Agency Ratings   | FDA 21 CFR 177.1520     |          |             |
|  | IS 10909                |          |             |
|  | IS 10910                |          |             |
| Processing Method  | Injection Molding       |          |             |
| Physical   | Nominal Value           | Unit     | Test Method |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)                                  | 8.0                     | g/10 min | ASTM D1238  |
| Mechanical   | Nominal Value           | Unit     | Test Method |
| Tensile Strength <sup>1</sup> (Yield, Injection Molded)                    | 23.0                    | MPa      | ASTM D638   |
| Tensile Elongation <sup>2</sup> (Yield, Injection Molded)                  | 7.0                     | %        | ASTM D638   |
| Flexural Modulus - 1% Secant (Injection Molded)                            | 1050                    | MPa      | ASTM D790A  |
| Impact   | Nominal Value           | Unit     | Test Method |
| Notched Izod Impact (23°C, Injection Molded)                               | 150                     | J/m      | ASTM D256   |
| Thermal  | Nominal Value           | Unit     | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded) | 95.0                    | °C       | ASTM D648   |
| NOTE   |                         |          |             |
| 1.   | Type I, 50 mm/min       |          |             |
| 2.   | Type I, 50 mm/min       |          |             |

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