

# Hyprom<sup>®</sup> PP-CP 10/2

Polypropylene Impact Copolymer

Entec Polymers

## Message:

This product is intended for injection molding applications such as consumer products, toys, housewares, office furniture and juvenile products.

| General Information                                      |                       |                   |             |
|--|-----------------------|-------------------|-------------|
| Additive   | Antistatic            |                   |             |
|  | Nucleating Agent      |                   |             |
| Features   | Antistatic            |                   |             |
|  | Impact Copolymer      |                   |             |
|  | Nucleated             |                   |             |
| Uses   | Consumer Applications |                   |             |
|  | Furniture             |                   |             |
|  | Household Goods       |                   |             |
|  | Toys                  |                   |             |
| RoHS Compliance  | RoHS Compliant        |                   |             |
| Forms  | Pellets               |                   |             |
| Processing Method  | Injection Molding     |                   |             |
| Physical   | Nominal Value         | Unit              | Test Method |
| Density  | 0.900                 | g/cm <sup>3</sup> | ASTM D1505  |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)                | 10                    | g/10 min          | ASTM D1238  |
| Mechanical   | Nominal Value         | Unit              | Test Method |
| Tensile Strength (Yield, 23°C)                           | 28.0                  | MPa               | ASTM D638   |
| Tensile Elongation (Break)                               | > 200                 | %                 | ASTM D638   |
| Flexural Modulus - 1% Secant <sup>1</sup> (23°C)         | 1450                  | MPa               | ASTM D790   |
| Impact   | Nominal Value         | Unit              | Test Method |
| Notched Izod Impact (23°C, 3.18 mm)                      | 130                   | J/m               | ASTM D256   |
| Thermal  | Nominal Value         | Unit              | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 107                   | °C                | ASTM D648   |
| Injection  | Nominal Value         | Unit              |             |
| Rear Temperature   | 182 to 216            | °C                |             |
| Middle Temperature                                       | 193 to 238            | °C                |             |
| Front Temperature  | 204 to 249            | °C                |             |
| Nozzle Temperature                                       | 193 to 238            | °C                |             |
| Processing (Melt) Temp                                   | 204 to 249            | °C                |             |

|                    |              |     |
|--------------------|--------------|-----|
| Mold Temperature   | 21.1 to 48.9 | °C  |
| Injection Pressure | 3.45 to 10.3 | MPa |
| NOTE               |              |     |
| 1.                 | 1.3 mm/min   |     |

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#### Recommended distributors for this material

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