

# Retpol® 052/3 HS

Polypropylene

PolyPacific Pty. Ltd.

## Message:

Jazz 052/3 HS is a thermoplastic rubber modified polypropylene compound containing a low level of mineral filler. It is a high flow injection moulding grade developed for good impact strength at low temperatures. It contains some recycled material so is subject to greater variability than standard compounds.

| General Information                       |   |                   |             |
|---|---|-------------------|-------------|
| Filler / Reinforcement                    | Mineral   |                   |             |
| Additive                                  | Heat Stabilizer<br>Rubber   |                   |             |
| Recycled Content                          | Yes   |                   |             |
| Features                                  | Good Impact Resistance<br>Heat Stabilized<br>High Flow<br>Low Temperature Impact Resistance |                   |             |
| Uses                                      | Automotive Applications   |                   |             |
| Forms                                     | Granules  |                   |             |
| Processing Method                         | Injection Molding   |                   |             |
| Physical                                  | Nominal Value   | Unit              | Test Method |
| Specific Gravity                          | 0.958   | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 17  | g/10 min          | ASTM D1238  |
| Molding Shrinkage - Flow (3.00 mm)        | 0.90 to 1.3   | %                 | ASTM D955   |
| Mechanical                                | Nominal Value   | Unit              | Test Method |
| Tensile Strength <sup>1</sup> (3.00 mm)   | 20.0  | MPa               | ASTM D638   |
| Flexural Modulus (3.00 mm)                | 1200  | MPa               | ASTM D790   |
| Impact                                    | Nominal Value   | Unit              | Test Method |
| Notched Izod Impact (23°C, 3.00 mm)       | 300   | J/m               | ASTM D256   |
| Thermal                                   | Nominal Value   | Unit              | Test Method |
| CLTE - Flow (-30 to 30°C, 3.00 mm)        | 8.0E-5  | cm/cm/°C          | ASTM D696   |
| Injection                                 | Nominal Value   | Unit              |             |
| Drying Temperature                        | 100 to 120  | °C                |             |
| Drying Time                               | 2.0 to 4.0  | hr                |             |
| Suggested Max Regrind                     | 20  | %                 |             |
| Processing (Melt) Temp                    | 200 to 260  | °C                |             |
| Mold Temperature                          | 20.0 to 60.0  | °C                |             |
| Injection Rate                            | Moderate-Fast   |                   |             |

## NOTE

1. 50 mm/min

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## Recommended distributors for this material

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