

# Gallonprene® GP310-8003

Thermoplastic Elastomer

Shenzhen Sungallon Rubber & Plastic Corporation Limited

Message:

Gallonprene® GP310-8003 is a thermoplastic elastomer (TPE) product. It is available in Africa and the Middle East, Latin America or Asia Pacific. Gallonprene® GP310-8003 application areas include electrical/electronic applications, electrical appliances, engineering/industrial accessories and industrial applications.

Features include:

Comply with REACH standard

ROHS certification

Halogen-free

| General Information |                         |
|---------------------|-------------------------|
| Features            | High elasticity         |
|                     | Halogen-free            |
| Uses                | overmolding             |
|                     | Electrical appliances   |
|                     | Industrial application  |
|                     | Mobile phone            |
| Agency Ratings      | EC 1907/2006 (REACH)    |
| RoHS Compliance     | RoHS compliance         |
| Appearance          | White                   |
|                     | Rough surface polishing |

| Physical                                 | Nominal Value | Unit              | Test Method |
|--|---------------|-------------------|-------------|
| Specific Gravity                         | 1.08          | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (200°C/5.0 kg) | 2.9           | g/10 min          | ASTM D1238  |
| Hardness                                 | Nominal Value | Unit              | Test Method |
| Durometer Hardness (Shore A, 23°C)       | 80            |                   | ASTM D2240  |
| Elastomers                               | Nominal Value | Unit              | Test Method |
| Tensile Strength <sup>1</sup> (Break)    | 8.00          | MPa               | ASTM D412   |
| Tensile Elongation <sup>2</sup> (Break)  | 500           | %                 | ASTM D412   |

| Injection instructions  |
|---|
| Overmolding Parameters:Rear Temperature: 170 to 190°CCenter Temperature: 180 to 200°CFront Temperature: 190 to 210°C<br>Melt Temperature: 160 to 180°C<br>Mold Temperature: 30 to 60°CProcessing Temperature Limit: 230°CInjection Pressure: HighInjection Speed: HighBack Pressure: 20 to 50%<br>Drying Temperature: 80°C<br>Drying Time: 4 hr |

| NOTE |            |
|------|------------|
| 1.   | 500 mm/min |
| 2.   | 500 mm/min |

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#### Recommended distributors for this material

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