

# Gallonprene® GP200-16

Thermoplastic Elastomer

Shenzhen Sungallon Rubber & Plastic Corporation Limited

## Message:

Gallonprene® GP200-16 is a thermoplastic elastomer (TPE) product. It can be processed by injection molding and is available in Africa and the Middle East, Latin America or Asia Pacific. Typical application areas are: consumer goods.

Features include:

Comply with REACH standard

ROHS certification

high gloss

Halogen-free

| General Information   |                      |                   |             |
|---|----------------------|-------------------|-------------|
| Features  | Highlight            |                   |             |
|   | Halogen-free         |                   |             |
| Uses  | Synthetic Leather    |                   |             |
|   | Toys                 |                   |             |
| Agency Ratings  | EC 1907/2006 (REACH) |                   |             |
| RoHS Compliance   | RoHS compliance      |                   |             |
| Appearance  | Clear/transparent    |                   |             |
| Processing Method   | Injection molding    |                   |             |
| Physical  | Nominal Value        | Unit              | Test Method |
| Specific Gravity  | 0.888                | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (200°C/0.325 kg)  | 12                   | g/10 min          | ASTM D1238  |
| Hardness  | Nominal Value        | Unit              | Test Method |
| Durometer Hardness (Shaw OO, 23°C)  | 50                   |                   | ASTM D2240  |
| Elastomers  | Nominal Value        | Unit              | Test Method |
| Tensile Strength <sup>1</sup> (Break)   | > 2.50               | MPa               | ASTM D412   |
| Tensile Elongation <sup>2</sup> (Break)   | > 1200               | %                 | ASTM D412   |
| Injection   | Nominal Value        | Unit              |             |
| Rear Temperature  | 220 - 240            | °C                |             |
| Middle Temperature  | 230 - 250            | °C                |             |
| Front Temperature   | 240 - 260            | °C                |             |
| Processing (Melt) Temp  | 190 - 210            | °C                |             |
| Mold Temperature  | 30.0 - 60.0          | °C                |             |
| Injection Rate  | Moderate             |                   |             |
| Injection instructions  |                      |                   |             |
| Processing Temperature Limit: 280°CInjection Pressure: ModerateBack Pressure: 20 to 50% |                      |                   |             |
| NOTE  |                      |                   |             |

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

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