

Gallonprene® GP520-4012

Thermoplastic Elastomer

Shenzhen Sungallon Rubber & Plastic Corporation Limited

Message:

Gallonprene® GP520-4012 is a thermoplastic elastomer (TPE) product. It is available in Africa and the Middle East, Latin America or Asia Pacific. Typical application areas are: engineering/industrial accessories.

Features include:

Comply with REACH standard

ROHS certification

Halogen-free

| General Information | |
|---------------------|----------------------------------|
| Features | Halogen-free |
| Uses | O-rings overmolding |
| Agency Ratings | EC 1907/2006 (REACH) |
| RoHS Compliance | RoHS compliance |
| Appearance | White Rough surface polishing |

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|-------------------|-------------|
| Specific Gravity | 1.07 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (200°C/5.0 kg) | 5.0 | g/10 min | ASTM D1238 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A, 23°C) | 40 | | ASTM D2240 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ (Break) | 5.00 | MPa | ASTM D412 |
| Tensile Elongation ² (Break) | 550 | % | ASTM D412 |

| Injection instructions | |
|--|------------|
| Overmolding Parameters:Rear Temperature: 170 to 190°C Center Temperature: 180 to 200°C Front Temperature: 190 to 210°C Melt Temperature: 160 to 180°C Mold Temperature: 30 to 60°C Processing Temperature Limit: 260°C Injection Pressure: High Injection Speed: High Back Pressure: 20 to 50% | |
| NOTE | |
| 1. | 500 mm/min |
| 2. | 500 mm/min |

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

