

Gallonprene® GP210-5506

Thermoplastic Elastomer

Shenzhen Sungallon Rubber & Plastic Corporation Limited

Message:

Gallonprene® GP210-5506 is a thermoplastic elastomer (TPE) product. It can be processed by extrusion, profile extrusion or injection molding, and is available in Africa and the Middle East, Latin America or the Asia-Pacific region. Gallonprene® GP210-5506 application areas include engineering/industrial fittings and hoses.

Features include:

Comply with REACH standard

ROHS certification

Halogen-free

| General Information | | | |
|---|---------------------------|-------------------|-------------|
| Features | Halogen-free | | |
| Uses | overmolding | | |
| | Pipe fittings | | |
| | Profile | | |
| Agency Ratings | EC 1907/2006 (REACH) | | |
| RoHS Compliance | RoHS compliance | | |
| Appearance | Translucent | | |
| | Rough surface polishing | | |
| Processing Method | Extrusion | | |
| | Profile extrusion molding | | |
| | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 0.878 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (200°C/10.0 kg) | 22 | g/10 min | ASTM D1238 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A, 23°C) | 55 | | ASTM D2240 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ (Break) | 12.0 | MPa | ASTM D412 |
| Tensile Elongation ² (Break) | 800 | % | ASTM D412 |
| Injection | Nominal Value | Unit | |
| Rear Temperature | 200 - 220 | °C | |
| Middle Temperature | 210 - 230 | °C | |
| Front Temperature | 220 - 240 | °C | |
| Processing (Melt) Temp | 180 - 200 | °C | |
| Mold Temperature | 30.0 - 60.0 | °C | |

| | | |
|---|---------------|------|
| Injection Rate | Fast | |
| Injection instructions | | |
| Processing Temperature Limit: 280°CInjection Pressure: HighBack Pressure: 20 to 50%Overmolding Parameters:Rear Temperature: 210 to 230°CCenter Temperature: 220240°CFront Temperature: 230250°C Melt Temperature: 180200°C Mold Temperature: 3060°CProcessing Temperature Limit: 280°CInjection Pressure: HighInjection Speed: HighBack Pressure: 20 to 50% | | |
| Extrusion | Nominal Value | Unit |
| Cylinder Zone 1 Temp. | 160 - 180 | °C |
| Cylinder Zone 2 Temp. | 170 - 190 | °C |
| Cylinder Zone 3 Temp. | 180 - 200 | °C |
| NOTE | | |
| 1. | 500 mm/min | |
| 2. | 500 mm/min | |

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