

# Gallonprene® GP410-9201

Thermoplastic Elastomer

Shenzhen Sungallon Rubber & Plastic Corporation Limited

Message:

Gallonprene® GP410-9201 is a thermoplastic elastomer (TPE) product. It can be processed by blow molding or injection molding and is available in Africa and the Middle East, Latin America or Asia Pacific. Gallonprene® GP410-9201 application areas include engineering/industrial accessories, consumer goods and handles.

- Features include:
- Comply with REACH standard
  - ROHS certification
  - high gloss
  - Halogen-free

General Information	
Features	Highlight
	Sprayable
	Halogen-free
Uses	overmolding
	Blow molding applications
	Soft handle
	Toys
Agency Ratings	EC 1907/2006 (REACH)
RoHS Compliance	RoHS compliance
Appearance	White
Processing Method	Blow molding
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.978	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	13	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 23°C)	92		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Break)	12.2	MPa	ASTM D412
Tensile Elongation <sup>2</sup> (Break)	460	%	ASTM D412
Injection	Nominal Value	Unit	
Rear Temperature	165 - 185	°C	
Middle Temperature	175 - 195	°C	
Front Temperature	185 - 205	°C	
Processing (Melt) Temp	150 - 170	°C	

Mold Temperature	30.0 - 60.0	°C
Injection Rate	Fast	
Injection instructions		
Processing Temperature Limit: 220°CInjection Pressure: HighBack Pressure: 20 to 50%Overmolding Parameters:Rear Temperature: 165 to 185°CCenter Temperature: 175 to 195°CFront Temperature: 185 to 205°C Melt Temperature: 150 to 170°C Mold Temperature: 30 to 60°CProcessing Temperature Limit: 220°CInjection Pressure: HighInjection Speed: HighBack Pressure: 20 to 50%		
NOTE		
1.	500 mm/min	
2.	500 mm/min	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### 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

