

# Gallonprene® GP410-9501

Thermoplastic Elastomer

Shenzhen Sungallon Rubber & Plastic Corporation Limited

Message:

Gallonprene® GP410-9501 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® GP410-9501 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)	9.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 23°C)	95		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Break)	12.3	MPa	ASTM D412
Tensile Elongation <sup>2</sup> (Break)	450	%	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	

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#### Recommended distributors for this material

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