

# Gallonprene® GP410-4503

Thermoplastic Elastomer

Shenzhen Sungallon Rubber & Plastic Corporation Limited

Message:

Gallonprene® GP410-4503 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® GP410-4503 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	0.948	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/2.16 kg)	30	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 23°C)	45		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Break)	3.80	MPa	ASTM D412
Tensile Elongation <sup>2</sup> (Break)	450	%	ASTM D412
Injection	Nominal Value	Unit	
Rear Temperature	140 - 160	°C	
Middle Temperature	150 - 170	°C	
Front Temperature	160 - 180	°C	
Processing (Melt) Temp	120 - 140	°C	

Mold Temperature	30.0 - 60.0	°C
Injection Rate	Moderate	
Injection instructions		
Processing Temperature Limit: 220°CInjection Pressure: ModerateBack Pressure: 20 to 50%Overmolding Parameters:Rear Temperature: 155 to 175°CCenter Temperature: 165 to 185°CFront Temperature: 175 to 195°C Melt Temperature: 120 to 140°C Mold Temperature: 30 to 60°CProcessing Temperature Limit: 220°CInjection Pressure: ModerateInjection Speed: ModerateBack 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

