

Gallonprene® GP410-8503

Thermoplastic Elastomer

Shenzhen Sungallon Rubber & Plastic Corporation Limited

Message:

Gallonprene® GP410-8503 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® GP410-8503 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	0.968	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/2.16 kg)	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 23°C)	85		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	7.30	MPa	ASTM D412
Tensile Elongation ² (Break)	350	%	ASTM D412
Injection	Nominal Value	Unit	
Rear Temperature	145 - 165	°C	
Middle Temperature	155 - 175	°C	
Front Temperature	165 - 185	°C	
Processing (Melt) Temp	130 - 150	°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: 130 to 150°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	

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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

