

# Gallonprene® GP420-7007

Thermoplastic Elastomer

Shenzhen Sungallon Rubber & Plastic Corporation Limited

## Message:

Gallonprene® GP420-7007 is a thermoplastic elastomer (TPE) product. It can be processed by injection molding and is available in Africa and the Middle East, Latin America or Asia Pacific. Gallonprene® GP420-7007 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		
	Soft handle		
	Toys		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Appearance	White		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.02	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/2.16 kg)	12	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 23°C)	70		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Break)	6.20	MPa	ASTM D412
Tensile Elongation <sup>2</sup> (Break)	550	%	ASTM D412
Injection	Nominal Value	Unit	
Rear Temperature	145 - 165	°C	
Middle Temperature	155 - 175	°C	
Front Temperature	165 - 185	°C	
Processing (Melt) Temp	125 - 145	°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: 160 to 180°CCenter Temperature: 170 to 190°CFront Temperature: 180 to 200°CMelt Temperature: 125 to 145°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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