

Gallonprene® GP520-4001

Thermoplastic Elastomer

Shenzhen Sungallon Rubber & Plastic Corporation Limited

Message:

Gallonprene® GP520-4001 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® GP520-4001 application areas include engineering/industrial accessories, home applications and handles.

Features include:

Comply with REACH standard

ROHS certification

Halogen-free

General Information			
Features	High elasticity		
	Halogen-free		
Uses	O-rings		
	overmolding		
	Household goods		
	Soft handle		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Appearance	White		
	Rough surface polishing		
Processing Method	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)	13	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 23°C)	40		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	5.20	MPa	ASTM D412
Tensile Elongation ² (Break)	700	%	ASTM D412
Injection	Nominal Value	Unit	
Rear Temperature	140 - 160	°C	
Middle Temperature	150 - 170	°C	
Front Temperature	160 - 180	°C	
Processing (Melt) Temp	110 - 130	°C	
Mold Temperature	30.0 - 60.0	°C	
Injection Rate	Moderate		

Injection instructions

Processing Temperature Limit: 260°C Injection Pressure: Moderate Back Pressure: 20 to 50% Overmolding Parameters: Rear Temperature: 160 to 180°C Center Temperature: 170 to 190°C Front Temperature: 180 to 200°C Melt Temperature: 110 to 130°C Mold Temperature: 30 to 60°C Processing Temperature Limit: 220°C Injection Pressure: Moderate Injection Speed: Moderate Back 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

