

Gallonprene® GP520-8011

Thermoplastic Elastomer

Shenzhen Sungallon Rubber & Plastic Corporation Limited

Message:

Gallonprene® GP520-8011 is a thermoplastic elastomer (TPE) product. It can be processed by extrusion, profile extrusion or injection molding, and is available in Africa and the Middle East, Latin America or the Asia-Pacific region. Gallonprene® GP520-8011 application areas include engineering/industrial accessories, tools and hoses.

Features include:

Comply with REACH standard

ROHS certification

Halogen-free

General Information			
Features	High elasticity		
	Halogen-free		
Uses	O-rings		
	overmolding		
	Power/other tools		
	Pipe fittings		
	Profile		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Appearance	White		
	Rough surface polishing		
Processing Method	Extrusion		
	Profile extrusion molding		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.928	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	3.2	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 23°C)	80		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	10.0	MPa	ASTM D412
Tensile Elongation ² (Break)	700	%	ASTM D412
Injection	Nominal Value	Unit	
Rear Temperature	210 - 230	°C	
Middle Temperature	220 - 240	°C	

Front Temperature	230 - 250	°C
Processing (Melt) Temp	190 - 210	°C
Mold Temperature	30.0 - 60.0	°C
Injection Rate	Fast	

Injection instructions

Processing Temperature Limit: 280°C Injection Pressure: High Back Pressure: 20 to 50% Overmolding Parameters: Rear Temperature: 230 to 250°C Center Temperature: 240 to 260°C Front Temperature: 250 to 270°C Melt Temperature: 190 to 210°C Mold Temperature: 30 to 60°C Processing Temperature Limit: 280°C Injection Pressure: High Injection Speed: High Back Pressure: 20 to 50%

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	160 - 180	°C
Cylinder Zone 2 Temp.	170 - 190	°C
Cylinder Zone 3 Temp.	180 - 200	°C

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

