

Gallonprene® GP520-9004

Thermoplastic Elastomer

Shenzhen Sungallon Rubber & Plastic Corporation Limited

Message:

Gallonprene® GP520-9004 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® GP520-9004 application areas include engineering/industrial accessories, home applications, consumer goods and handles.

Features include:

Comply with REACH standard

ROHS certification

Halogen-free

General Information			
Features	High elasticity		
	Halogen-free		
Uses	overmolding		
	Household goods		
	Soft handle		
	Toys		
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	1.10	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 23°C)	90		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	8.50	MPa	ASTM D412
Tensile Elongation ² (Break)	600	%	ASTM D412
Injection	Nominal Value	Unit	
Rear Temperature	145 - 165	°C	
Middle Temperature	155 - 175	°C	
Front Temperature	165 - 185	°C	
Processing (Melt) Temp	120 - 140	°C	
Mold Temperature	30.0 - 60.0	°C	

Injection Rate	Moderate
Injection instructions	
Processing Temperature Limit: 260°CInjection Pressure: ModerateBack Pressure: 20 to 50%Overmolding Parameters:Rear Temperature: 165 to 185°CCenter Temperature: 175 to 195°CFront Temperature: 185 to 205°C Melt Temperature: 120 to 140°C Mold Temperature: 30 to 60°CProcessing Temperature Limit: 260°CInjection Pressure: ModerateInjection Speed: ModerateBack Pressure: 20 to 50%	
NOTE	
1.	500 mm/min
2.	500 mm/min

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