

# Gallonprene® GP320-45

Thermoplastic Elastomer

Shenzhen Sungallon Rubber & Plastic Corporation Limited

## Message:

Gallonprene® GP320-45 is a thermoplastic elastomer (TPE) product. It is available in Africa and the Middle East, Latin America or Asia Pacific.

Gallonprene® GP320-45 applications include electrical appliances, engineering/industrial accessories, industrial applications and handles.

Features include:

Comply with REACH standard

ROHS certification

Halogen-free

General Information	
Features	High elasticity Halogen-free
Uses	overmolding Electrical appliances Industrial application Soft handle
Agency Ratings	EC 1907/2006 (REACH)
RoHS Compliance	RoHS compliance
Appearance	White Rough surface polishing

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	65	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 23°C)	45		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Break)	2.50	MPa	ASTM D412
Tensile Elongation <sup>2</sup> (Break)	350	%	ASTM D412

Injection instructions
Overmolding Parameters:Rear Temperature: 225 to 245°CCenter Temperature: 235 to 255°CFront Temperature: 245 to 265°C Melt Temperature: 210 to 230°C Mold Temperature: 40 to 70°C Processing Temperature Limit: 280°C Injection Pressure: High Injection Speed: High Back Pressure: 20 to 50% Drying Temperature: 80°C Drying Time: 2 hr

NOTE	
1.	500 mm/min
2.	500 mm/min

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