

# Gallonprene® GP310-8503

Thermoplastic Elastomer

Shenzhen Sungallon Rubber & Plastic Corporation Limited

Message:

Gallonprene® GP310-8503 is a thermoplastic elastomer (TPE) product. It is available in Africa and the Middle East, Latin America or Asia Pacific. Gallonprene® GP310-8503 application areas include electrical/electronic applications, electrical appliances, engineering/industrial accessories and industrial applications.

- Features include:
- Comply with REACH standard
  - ROHS certification
  - Halogen-free

General Information	
Features	High elasticity
	Halogen-free
Uses	overmolding
	Electrical appliances
	Industrial application
	Mobile phone
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)	3.6	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 23°C)	85		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Break)	9.00	MPa	ASTM D412
Tensile Elongation <sup>2</sup> (Break)	500	%	ASTM D412

Injection instructions
Overmolding Parameters:Rear Temperature: 170 to 190°CCenter Temperature: 180 to 200°CFront Temperature: 190 to 210°C Melt Temperature: 160 to 180°C Mold Temperature: 30 to 60°CProcessing Temperature Limit: 230°CInjection Pressure: HighInjection Speed: HighBack Pressure: 20 to 50% Drying Temperature: 80°C Drying Time: 4 hr

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

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