

# Gallonprene® GP210-8510

Thermoplastic Elastomer

Shenzhen Sungallon Rubber & Plastic Corporation Limited

Message:

Gallonprene® GP210-8510 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® GP210-8510 application areas include engineering/industrial accessories, containers and handles.

Features include:

Comply with REACH standard

ROHS certification

chemical resistance

Halogen-free

General Information			
Features	Good chemical resistance		
	Halogen-free		
Uses	O-rings		
	overmolding		
	Container		
	Soft handle		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Appearance	Translucent		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.868	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/2.16 kg)	2.5	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)	13.5	MPa	ASTM D412
Tensile Elongation <sup>2</sup> (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	115 - 135	°C	
Mold Temperature	30.0 - 60.0	°C	
Injection Rate	Fast		
Injection instructions			

Processing Temperature Limit: 260°CInjection Pressure: HighBack Pressure: 20 to 50%Overmolding Parameters:Rear Temperature: 165 to 185°CCenter Temperature: 175 to 195°CFront Temperature: 185 to 205°CMelt Temperature: 115 to 135°C Mold Temperature: 30 to 60°CProcessing Temperature Limit: 260°CInjection Pressure: HighInjection Speed: HighBack Pressure: 20 to 50%

NOTE

- |    |            |
|----|------------|
| 1. | 500 mm/min |
| 2. | 500 mm/min |

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