# Gallonprene® GP210-5011

# Thermoplastic Elastomer

Shenzhen Sungallon Rubber & Plastic Corporation Limited

## Message:

Gallonprene®GP210-5011 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®GP210-5011 application areas include engineering/industrial fittings and hoses.

Halogen-free

O-rings

180 - 200

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

General Information

Processing (Melt) Temp

Features

Uses

	overmolding			
	Pipe fittings			
	Profile			
Agency Ratings	EC 1907/2006 (REACH)			
RoHS Compliance	RoHS compliance			
Appearance	Translucent			
	Rough surface polishing			
Processing Method	Extrusion			
	Profile extrusion molding			
	Injection molding			
Physical	Nominal Value	Unit	Test Method	
Physical Specific Gravity	Nominal Value 0.868	Unit g/cm³	Test Method ASTM D792	
	0.868	g/cm³	ASTM D792	
Specific Gravity				
Specific Gravity  Melt Mass-Flow Rate (MFR) (200°C/10.0	0.868	g/cm³	ASTM D792	
Specific Gravity  Melt Mass-Flow Rate (MFR) (200°C/10.0 kg)	0.868	g/cm³ g/10 min	ASTM D792 ASTM D1238	
Specific Gravity  Melt Mass-Flow Rate (MFR) (200°C/10.0 kg)  Hardness	0.868  8.8  Nominal Value	g/cm³ g/10 min	ASTM D792  ASTM D1238  Test Method	
Specific Gravity  Melt Mass-Flow Rate (MFR) (200°C/10.0 kg)  Hardness  Durometer Hardness (Shore A, 23°C)	0.868  8.8  Nominal Value  50	g/cm³ g/10 min Unit	ASTM D792  ASTM D1238  Test Method  ASTM D2240	
Specific Gravity  Melt Mass-Flow Rate (MFR) (200°C/10.0 kg)  Hardness  Durometer Hardness (Shore A, 23°C)  Elastomers	0.868  8.8  Nominal Value  50  Nominal Value	g/cm³ g/10 min Unit Unit	ASTM D792  ASTM D1238  Test Method  ASTM D2240  Test Method	
Specific Gravity  Melt Mass-Flow Rate (MFR) (200°C/10.0 kg)  Hardness  Durometer Hardness (Shore A, 23°C)  Elastomers  Tensile Strength <sup>1</sup> (Break)	0.868  8.8  Nominal Value  50  Nominal Value  7.50	g/cm³ g/10 min Unit Unit MPa	ASTM D792  ASTM D1238  Test Method  ASTM D2240  Test Method  ASTM D412	
Specific Gravity  Melt Mass-Flow Rate (MFR) (200°C/10.0 kg)  Hardness  Durometer Hardness (Shore A, 23°C)  Elastomers  Tensile Strength <sup>1</sup> (Break)  Tensile Elongation <sup>2</sup> (Break)	0.868  8.8  Nominal Value  50  Nominal Value  7.50  700	g/cm³  g/10 min  Unit  Unit  MPa  %	ASTM D792  ASTM D1238  Test Method  ASTM D2240  Test Method  ASTM D412	
Specific Gravity  Melt Mass-Flow Rate (MFR) (200°C/10.0 kg)  Hardness  Durometer Hardness (Shore A, 23°C)  Elastomers  Tensile Strength <sup>1</sup> (Break)  Tensile Elongation <sup>2</sup> (Break)  Injection	0.868  8.8  Nominal Value  50  Nominal Value  7.50  700  Nominal Value	g/cm³  g/10 min  Unit  Unit  MPa  %  Unit	ASTM D792  ASTM D1238  Test Method  ASTM D2240  Test Method  ASTM D412	

°C

Mold Temperature	30.0 - 60.0	°C
Injection Rate	Fast	

#### Injection instructions

Processing Temperature Limit: 280°CInjection Pressure: HighBack Pressure: 20 to 50%Overmolding Parameters:Rear Temperature: 210 to 230°CCenter Temperature: 220 to 240°CFront Temperature: 230 to 250°CMelt Temperature: 180 to 200°CMold Temperature: 30 to 60°CProcessing Temperature Limit: 280°CInjection Pressure: HighInjection Speed: HighBack 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	

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## Recommended distributors for this material

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