

Gallonprene® GP210-8509

Thermoplastic Elastomer

Shenzhen Sungallon Rubber & Plastic Corporation Limited

Message:

Gallonprene® GP210-8509 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® GP210-8509 applications include wires and cables, engineering/industrial accessories and hoses.

Features include:

Comply with REACH standard

ROHS certification

Halogen-free

General Information			
Features	Halogen-free		
Uses	O-rings overmolding Wire and cable applications 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
Specific Gravity	0.878	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/10.0 kg)	3.8	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 ¹ (Break)	14.0	MPa	ASTM D412
Tensile Elongation ² (Break)	700	%	ASTM D412
Injection	Nominal Value	Unit	
Rear Temperature	200 - 220	°C	
Middle Temperature	210 - 230	°C	
Front Temperature	220 - 240	°C	

Processing (Melt) Temp	180 - 200	°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°C Melt Temperature: 180 to 200°C Mold 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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