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

General Information	
Features	Halogen-free
Uses	O-rings 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
Specific Gravity	0.868	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/10.0 kg)	8.8	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A, 23°C)	50		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Break)	7.50	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°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

Recommended distributors for this material

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