Gallonprene® GP100-5001

Thermoplastic Elastomer

Shenzhen Sungallon Rubber & Plastic Corporation Limited

Message:

Gallonprene®GP100-5001 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®GP100-5001 application areas include engineering/industrial accessories, consumer goods and handles.
Features include:
Comply with REACH standard
ROHS certification
high gloss
Halogen-free

General Information			
Features	Highlight Sprayable Halogen-free		
Uses	overmolding Soft handle Toys		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Appearance	Clear/transparent		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.918	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/0.325 kg)	30	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)	4.20	MPa	ASTM D412
Tensile Elongation [2] (Break)	800	%	ASTM D412
Injection	**Nominal Value**	**Unit**	
Rear Temperature	120 - 140	°C	
Middle Temperature	130 - 150	°C	
Front Temperature	140 - 160	°C	
Processing (Melt) Temp	100 - 120	°C	
Mold Temperature	30.0 - 60.0	°C	
Injection Rate	Slow		
Injection instructions			

Processing Temperature Limit: 220°CInjection Pressure: LowBack Pressure: 20 to 50%Overmolding Parameters:Rear Temperature: 140 to 160°CCenter Temperature: 150 to 170°CFront Temperature: 160 to 180°CMelt Temperature: 100 to 120°CMold Temperature: 30 to 60°CProcessing Temperature Limit: 220°CInjection Pressure: LowInjection Speed: LowBack Pressure: 20 to 50%

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

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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