

Gallonprene® GP640-8501

Thermoplastic Elastomer

Shenzhen Sungallon Rubber & Plastic Corporation Limited

Message:

Gallonprene® GP640-8501 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. Typical application areas are: engineering/industrial accessories.

Features include:

Comply with REACH standard

ROHS certification

Flame Retardant

Halogen-free

General Information			
Additive	Flame retardancy		
Features	High elasticity		
	Halogen-free		
	Flame retardancy		
Uses	overmolding		
	Plug		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Appearance	White		
	Rough surface polishing		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.01	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/10.0 kg)	48	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)	7.00	MPa	ASTM D412
Tensile Elongation ² (Break)	600	%	ASTM D412
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Rear Temperature	160 - 180	°C	
Middle Temperature	170 - 190	°C	
Front Temperature	180 - 200	°C	

Processing (Melt) Temp	140 - 160	°C
Mold Temperature	30.0 - 60.0	°C
Injection Rate	Fast	

Injection instructions

Processing Temperature Limit: 240°CInjection Pressure: HighBack Pressure: 20 to 50%Overmolding Parameters:Rear Temperature: 170 to 190°CCenter Temperature: 180 to 200°CFront Temperature: 190 to 210°C Melt Temperature: 140 to 160°C Mold Temperature: 30 to 60°CProcessing Temperature Limit: 240°CInjection Pressure: HighInjection Speed: HighBack Pressure: 20 to 50%Drying Temperature: 80°C Drying Time: 2 hr

NOTE

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

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