

# Gallonprene® GP200-20

Thermoplastic Elastomer

Shenzhen Sungallon Rubber & Plastic Corporation Limited

## Message:

Gallonprene® GP200-20 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: consumer goods.

Features include:

Comply with REACH standard

ROHS certification

high gloss

Halogen-free

General Information			
Features	Highlight		
	Halogen-free		
Uses	Synthetic Leather		
	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	0.888	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/2.16 kg)	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shaw OO, 23°C)	60		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Break)	> 3.50	MPa	ASTM D412
Tensile Elongation <sup>2</sup> (Break)	> 1200	%	ASTM D412
Injection	Nominal Value	Unit	
Rear Temperature	240 - 260	°C	
Middle Temperature	250 - 270	°C	
Front Temperature	260 - 280	°C	
Processing (Melt) Temp	210 - 230	°C	
Mold Temperature	30.0 - 60.0	°C	
Injection Rate	Moderate		
Injection instructions			
Processing Temperature Limit: 280°CInjection Pressure: ModerateBack Pressure: 20 to 50%			
NOTE			

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

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