Gallonprene® GP520-5002

Thermoplastic Elastomer

Shenzhen Sungallon Rubber & Plastic Corporation Limited

Message:

Gallonprene®GP520-5002 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®GP520-5002 application areas include engineering/industrial accessories, home applications and handles. Features include: Comply with REACH standard ROHS certification

Halogen-free

Features High elasticity Halogen-free Uses O-rings overmolding Household goods Soft handle Agency Ratings EC 1907/2006 (REACH) RoHS Compliance RoHS compliance Appearance White Rough surface polishing Processing Method Injection molding Physical Nominal Value Unit Specific Gravity 0.998 g/Cm ³ ASTM D792 Meth Mass-Flow Rate (MFR) (200°C/2.16 kg) 5.0 g/10 min ASTM D792 Hardness Nominal Value Unit Test Method Durometer Hardness (Shore A, 23°C) 5.0 g/10 min ASTM D1238 Elastorners Nominal Value Unit Test Method Durometer Hardness (Shore A, 23°C) 5.0 MPa ASTM D1238 Elastorners Nominal Value Unit Test Method Tensile Strength ¹ (Break) 5.00 MPa ASTM D123 Tensile Strength ¹ (Break) 5.00 MPa ASTM D122 Tensile Strength ¹ (Break) 5.00 MPa ASTM D122 Tensile Strength ¹ (Break) 5.00 MPa ASTM D1	General Information			
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	Injection			
Middle Temperature 150 - 170 °C	Rear Temperature	140 - 160	°C	
	Middle Temperature	150 - 170	°C	
Front Temperature 160 - 180 °C	Front Temperature	160 - 180	°C	
Processing (Melt) Temp 110 - 130 °C	Processing (Melt) Temp	110 - 130	°C	
Mold Temperature 30.0 - 60.0 °C	Mold Temperature	30.0 - 60.0	°C	
Injection Rate Moderate	Injection Rate	Moderate		

Injection instructions

Processing Temperature Limit: 260°CInjection Pressure: ModerateBack Pressure: 20 to 50%Overmolding Parameters:Rear Temperature: 160 to 180°CCenter Temperature: 170 to 190°CFront Temperature: 180 to 200°CMelt Temperature: 110 to 130°CMold Temperature: 30 to 60°CProcessing Temperature Limit: 220°CInjection Pressure: ModerateInjection Speed: ModerateBack Pressure: 20 to 50%

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

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