

Gallonprene® GP520-4512

Thermoplastic Elastomer

Shenzhen Sungallon Rubber & Plastic Corporation Limited

Message:

Gallonprene® GP520-4512 is a thermoplastic elastomer (TPE) product. It 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
Halogen-free

General Information	
Features	Halogen-free
Uses	O-rings overmolding
Agency Ratings	EC 1907/2006 (REACH)
RoHS Compliance	RoHS compliance
Appearance	White Rough surface polishing

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	6.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 23°C)	45		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	5.20	MPa	ASTM D412
Tensile Elongation ² (Break)	550	%	ASTM D412

Injection instructions	
Overmolding Parameters:Rear Temperature: 170 to 190°C Center Temperature: 180 to 200°C Front Temperature: 190 to 210°C Melt Temperature: 160 to 180°C Mold Temperature: 30 to 60°C Processing Temperature Limit: 260°C Injection Pressure: High Injection Speed: High Back Pressure: 20 to 50%	
NOTE	
1.	500 mm/min
2.	500 mm/min

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