

# Elastoprene S1075A

Styrenic Thermoplastic Elastomer

KMI Group, Inc.

Message:

Elastoprene S1070A is a styrenic elastomer intended for injection molding and extrusion applications, offering good tensile strength, rubbery look and feel, and easy processing.

Applications:

General Industrial Applications, Polymer Modification (HIPS, PS), Consumer goods, Building and Construction applications

General Information			
Features	High tensile strength		
	Workability, good		
Uses	Industrial application		
	Building materials		
	Architectural application field		
	Plastic modification		
	Consumer goods application field		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A, 10 seconds, extruded	73		ASTM D2240
Shore A, 10 seconds, injection molding	78		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	3.17	MPa	ASTM D412
Tensile Strength (Break)	11.2	MPa	ASTM D412
Tensile Elongation (Break)	480	%	ASTM D412
Tear Strength	39.4	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	23	%	ASTM D395B
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-60.0	°C	ASTM D746

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