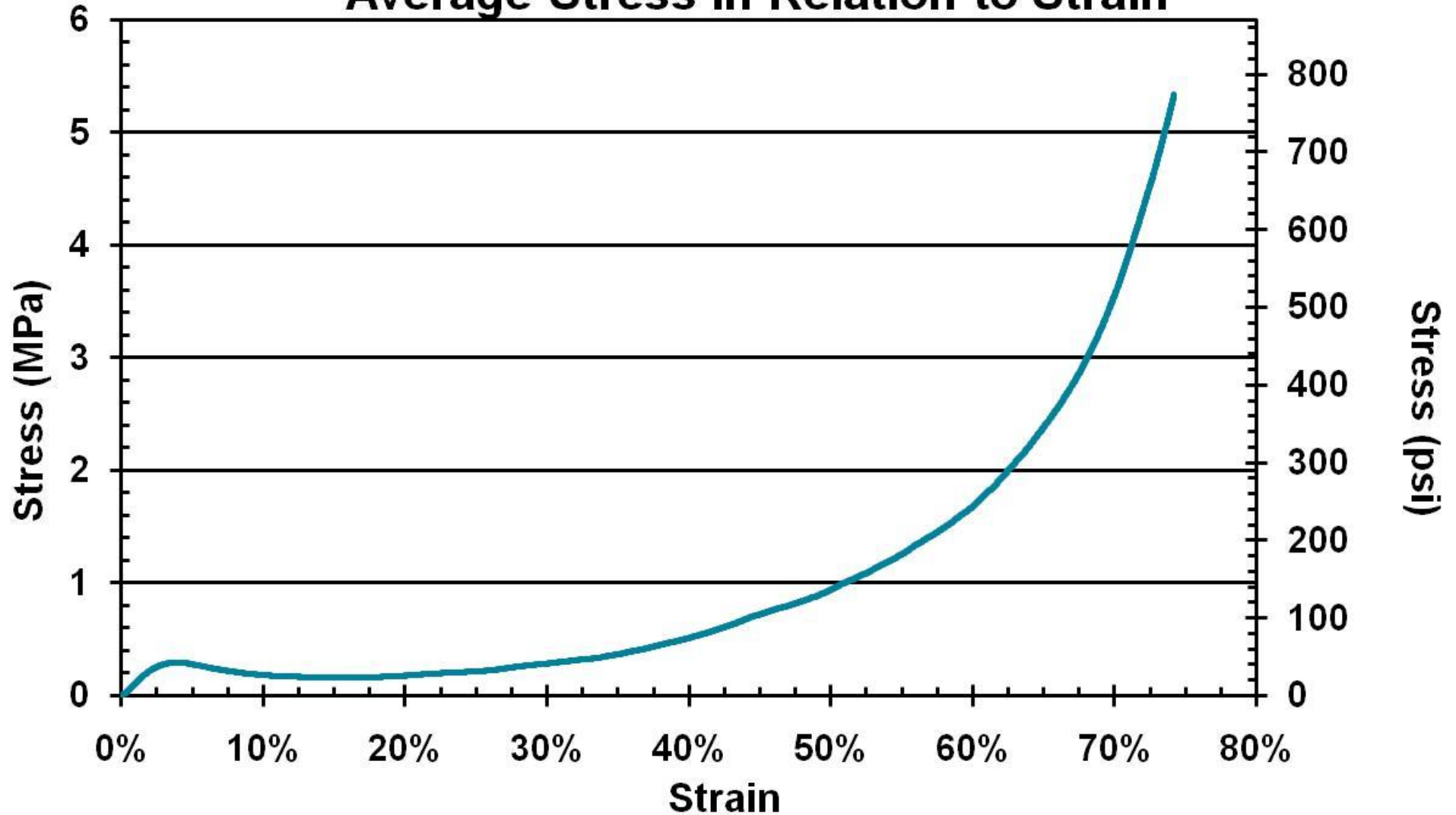




AL-25.4-LG

Average Stress in Relation to Strain





AL-25.4-LG

Physical and Mechanical Properties

Basic Product Specifications	Density		0.17 g/cc \pm 0.056 g/cc	10.61 lb/ft ³ \pm 3.50 lb/ft ³
	Thickness		25.4 mm \pm 1 mm	1 inch \pm 0.04 inch
Compressive Mechanical Specifications	Densification Strain		62%	
	Plateau Stress		0.54 MPa	78.30 psi
	Initial Yield Stress		0.31 MPa	45.00 psi
Energy Absorption Capabilities	30% Strain	Volumetric	60 kJ/m ³	0.23 cal/in ³
		Specific	0.36 kJ/kg	39.00 cal/lb
	Onset to Densification	Volumetric	340 kJ/m ³	1.33 cal/in ³
		Specific	2.05 kJ/kg	222.10 cal/lb