

## Material Specification

**Standard Rubber Snow Plow Edges**

## PPI 17020 Compound

Flexible rubber products manufactured by PPI are extruded using materials compounded specifically for each demanding application. The compound for the Snow Plow Edges has superior weathering, aging and abrasion characteristics and provides for high impact loads over a wide range of ambient temperatures.

The ASTM D2000 Line Call for the compound used in the Standard Rubber Snow Plow Edges is:

**5AA 723, A13, B13, C12, F17, G12, Z1**

This rubber compound meets or exceeds the following requirements:

Property	Unit	Required	Limit	Actual	ASTM Test Method
Tensile Strength	psi	2300	min	2550	D412
Elongation	%	300	min	450	D412
Hardness – Durometer (Shore A)	points	70	±5	70	D2240
Heat Resistance (70 h @ 158 °F)					D573
Change in Tensile Strength	%	-25	max	-4.5	
Change in Elongation	%	-25	max	-9.7	
Change in Hardness	points	+10	max	+4	
Compression Set (22h @ 158 °F)	%	25	max	23.7	D395
Ozone Resistance		Pass	No Cracks	Pass (No Cracks)	D1171 Method B
Low Temperature Brittleness (3 min @ -40 °F)		Pass	No Cracks	Pass (No Cracks)	D2137
Tear Strength	lb/in	149	min	442	D624 Die “C”
Abrasion	mm <sup>3</sup>			168	D5963