

## Material Specification

**Premium Rubber Snow Plow Edges**

## PPI 17004 Compound

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

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

**5AA 727, 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             | 2700     | min       | 2860             | D412             |
| Elongation                                   | %               | 300      | min       | 512              | D412             |
| Hardness – Durometer (Shore A)               | points          | 70       | ±5        | 75               | D2240            |
| Heat Resistance (70 h @ 158 °F)              |                 |          |           |                  | D573             |
| Change in Tensile Strength                   | %               | -25      | max       | -4.0             |                  |
| Change in Elongation                         | %               | -25      | max       | -8.8             |                  |
| Change in Hardness                           | points          | +10      | max       | +3               |                  |
| Compression Set (22h @ 158 °F)               | %               | 25       | max       | 19.1             | 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       | 444              | D624 Die “C”     |
| Abrasion                                     | mm <sup>3</sup> |          |           | 59               | D5963            |