

## Material Specification

**PPI Non-Conductive Compound 76601-05**

The ASTM D2000 Line Call for this Compound (PPI 76601-05) is:

**3BA714 A14, B13, C12, F17, Z1, Z2**

Where: Z1: Elongation at Break (%) = 500 minimum  
Z2: Polymer Type = 100% EPDM

This rubber compound meets or exceeds the following requirements:

Property	Unit	Required	Actual	ASTM Test Method
Tensile Strength	psi	1400	1721	D412
Elongation at Break (Z1)	%	500	591	D412
Hardness – Durometer (Shore A)	points	70 ± 5	72	D2240
Heat Resistance (70 h @ 212 °F)				D573
Change in Tensile Strength	%	max -25	-7.8	
Change in Elongation	%	max -25	-17.4	
Change in Hardness	points	max +10	+6	
Compression Set (22h @ 158 °F)	%	max 25	22.8	D395 Method B
Ozone Resistance, Bent Loop 70 h @ 104 °F @ 50 pphm		No Cracks	No Cracks	D1171
Tear Strength	lb/in	min 150	166	D624 Die C
Low Temperature Brittleness Method A, 9.3.2 Non-brittle after 3 min @ -40 °F		No Cracks	No Cracks	D2137
Water Resistance, 70 h @ 212 °F Volume Change	%	max 5	4.1	D471
Volume Resistivity	Ω·cm	1.0 × 10 <sup>12</sup> min	1.48 × 10 <sup>14</sup>	D257