



## HiRAIL Full Depth Rubber Grade Crossing System

Each three foot section of the Hi-Rail System consists of one gauge pad seated tightly between the rails and two field pads, one on each side of the rail. Road approaches are completed with asphalt or concrete to the full depth of the field pads. Hi-Rail Systems are covered by a 5 year limited warranty.

## Physical Data

<b>Tensile Strength</b>	Surface	ASTM D412	Tensile Strength Mpa	>10Mpa
<b>Elongation at Break</b>	Surface	ASTM D412	Ultimate Elongation %	>300%
<b>Hardness</b>	Surface	ASTM D2240	Shore A Hardness	65 +/- 5
<b>Density</b>	Surface	ASTM D297	Specific Gravity	1.2 +/- 0.1
<b>Fluid Resistance IRM 901 72 hrs @ RT</b>	Surface	ASTM D471	Change in Volume %	<10%
	Surface	ASTM D573	Change in Hardness Pts.	+/- 5
<b>Heat Resistance 70 hrs @ 70C</b>	Surface	ASTM D573	Change in Tensile %	+/- 15%
	Surface	ASTM D573	Change in Elongation %	+/- 30%
<b>Ozone Resistance 70 hrs/40C/50pphm</b>	Surface	ASTM D1171	Ozone Resist.Rating 0-3	<1
<b>Abrasion Resistance</b>	Surface	ASTM D5963	Abrasion Loss mm <sup>3</sup>	<170mm <sup>3</sup>
<b>Coefficient of Friction</b>	Surface	ASTM D1894	Kinetic Resistance	0.412
<b>Volume Resistivity</b>	Core	ASTM D257	Volume Resistivity Ω·cm	6.00E+08