
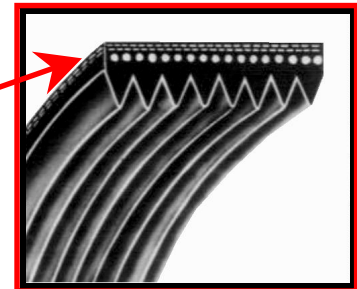


# Adhesion of Cover Fabric Serpentine


<b># 1</b>	<b>Gates Branded</b>	<b>20.2</b>
<b># 2</b>	 <b>ATLAS</b>	<b>18.9</b>
<b># 3</b>	<b>Dayco Branded</b>	<b>17.9</b>
<b># 4</b>	<b>Goodyear Kelly Springfield (Zone)</b>	<b>15.1</b>
<b># 5</b>	<b>Dayco Dynaflex</b>	<b>12.9</b>
<b># 6</b>	<b>Gates Charter</b>	<b>7.7</b>

“Refers to the delamination of top cover to the neoprene rubber”. The higher the adhesion number, the better.

Adhesion Of Cover Fabrics

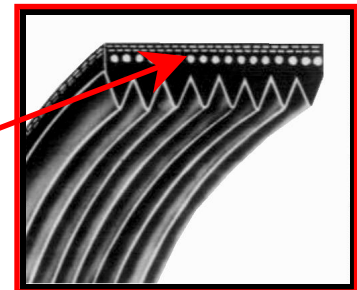


# Cord Adhesion Serpentine

<b># 1</b>	<b>Dayco Branded</b>	<b>48.9</b>
<b># 2</b>	 <b>ATLAS</b>	<b>47.8</b>
<b># 3</b>	<b>Gates Branded</b>	<b>47.4</b>
<b># 4</b>	<b>Goodyear Kelly Springfield (Zone)</b>	<b>34.2</b>
<b># 5</b>	<b>Dayco Dynaflex (Pep Boys)</b>	<b>31.7</b>
<b># 6</b>	<b>Gates Charter</b>	<b>25.3</b>

“Relates to the resistance of the polyester cord to the rubber” – the lower the number indicates less adhesion, which means it will delaminate faster.

Cord Adhesion





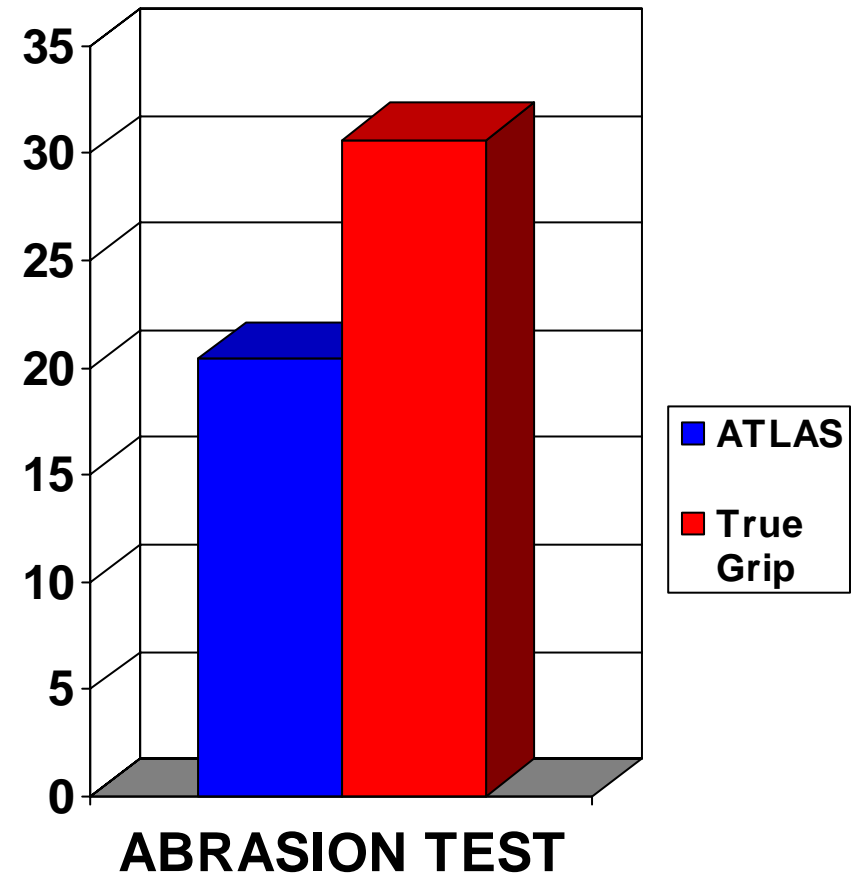
# ***ATLAS vs. Gates Charter Serpentine "Abrasion" Test***

**Test measures the %  
of belt wearing  
down after 200 hours**

**Charter had a  
higher % of wear  
compared to**



**ATLAS**



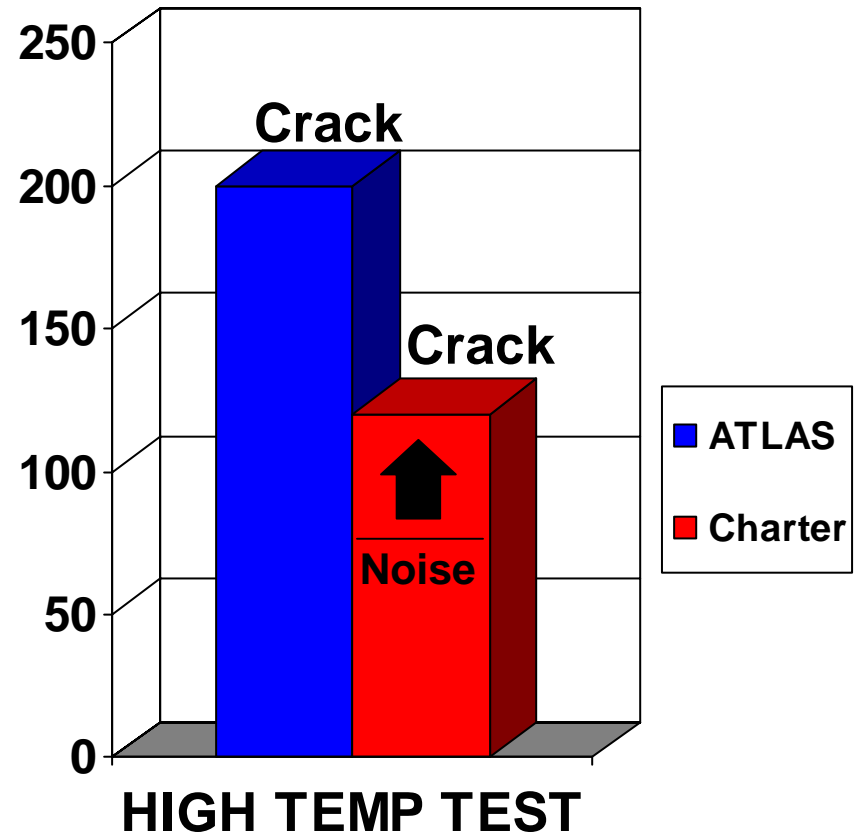


# ***ATLAS vs. Gates Charter Serpentine "High Temp" Test***


**Charter began to make noise at around 50 hours of high temp testing and then cracked at 120 hr.**



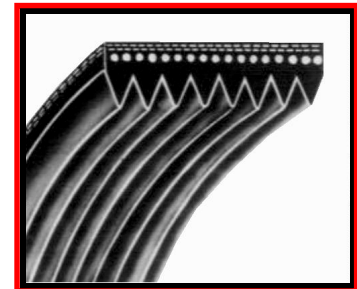
**ATLAS Belts did not make any noise and only began to crack after a 200 hour period of testing**



# Tensile Strength Serpentine

<b># 1</b>	 <b>ATLAS</b>	<b>2230</b>
<b># 2</b>	<b>Gates Branded</b>	<b>2226</b>
<b># 3</b>	<b>Dayco Branded</b>	<b>2026</b>
<b># 4</b>	<b>Dayco Dynaflex (Pep Boys)</b>	<b>1971</b>
<b># 5</b>	<b>Goodyear Kelly Springfield (Zone)</b>	<b>1947</b>
<b># 6</b>	<b>Gates Charter</b>	<b>1650</b>

“Refers to Belt Life” – the number indicates how many pounds of force are needed to break the belt – the higher the rating the better.



Tensile Strength of Belts