PRODUCT DATA SHEET

Abrasion Resistance of Novex Polyurethane vs. Competing Materials

With over 30 years of expertise, Novex is a recognized leader in the development and manufacturing of high-quality urethane belting, sheeting, and molded parts. Our special formulation of polyurethane is designed to provide exceptional abrasion resistance.

To prove it, we subjected our specific blend of our polyurethane, Novex CU-85, and several competing materials to the Taber Abrasion Test. This test is commonly used to assess the wear resistance of materials under controlled conditions. In this case, the test was performed with H-18 abrasive wheels, applying a 1000 gram load, and running for 1000 cycles. The weight loss of each material was then measured in milligrams per revolution (mg/rev).

See how Novex CU-85 stacks up to the competitors:

94% less material loss	**15.9 X** greater abrasive wear resistance	compared to: **PVC**
93% less material loss	**14.4 X** greater abrasive wear resistance	compared to: **Linatex® (60 durometer)**
93% less material loss	**14.4 X** greater abrasive wear resistance	compared to: **Natural Rubber**
93% less material loss	**13.7 X** greater abrasive wear resistance	compared to: **RMA Grade II Rubber**
90% less material loss	**10.5 X** greater abrasive wear resistance	compared to: **Linatex® (40 durometer)**

The Taber Abrasion Test results clearly highlight a significant difference in wear resistance between CU-85 and other materials commonly used in industrial applications. While the service life of any elastomeric product depends on several factors beyond just abrasion, this remarkable durability translates directly into significant cost savings for our customers. By using CU-85, customers experience fewer replacements, reduced maintenance requirements, and increased uptime, all of which contribute to improved operational efficiency and lower overall costs.

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