



# DURATAQ<sup>TM</sup> COMPOUND COMPARISON CHART

## Capabilities

Megadyne Belt Corporation has been manufacturing custom belts since 1985. After joining the Megadyne Group in 2014, we have expanded our capabilities and resources while retaining our commitment to excellence. Our customer service representatives and engineering team work in tandem to provide solutions to your belting needs with unsurpassed quality. Along with DuraTaq™, Megadyne Americas offers a wide selection of covers for every customer's individual needs. We mold uncured DuraTaq™ onto base belts and grind them to gauge producing a seamless cover. While most of our covers can be molded onto base belts, some covers cannot. In these cases we can fabricate cured rubber on the base belt needed. In addition to our broad number of cover material options, Megadyne Belt Corporation can modify the cover conveying surface by grinding and routing as well as punching holes and machining pockets and slots. Visit our website or contact us for further information about our capabilities and solutions for your particular need.

## Rubber Materials Comparison

Compound Name		DURATAQ™	Linatex®
			
Color		Orange	Red
Hardness (Shore-A)		45 ± 5	38-45
Coefficient of Friction (μ)		1.50	1.43
Abrasion Resistance	Din Abrasion mm3	120	200
	Taber Abrasion (H 18 Wheels) Wt Loss After 10,000 Cycles (Grams)	1.26	2.59
	NBS Abrasion (%)	105	70
Density (gr/cc)		1.06	1.0
Tensile (PSI)		3300	3140
Elongation (%)		600	350
Tear (lbs/in)		220	175
Thermal Resistance		-40°F to +212°F	-40°F to +212°F
Compression Set Rebound		Good Excellent	Good Excellent
Resistance To Oils & Petroleum Products		Poor	Poor

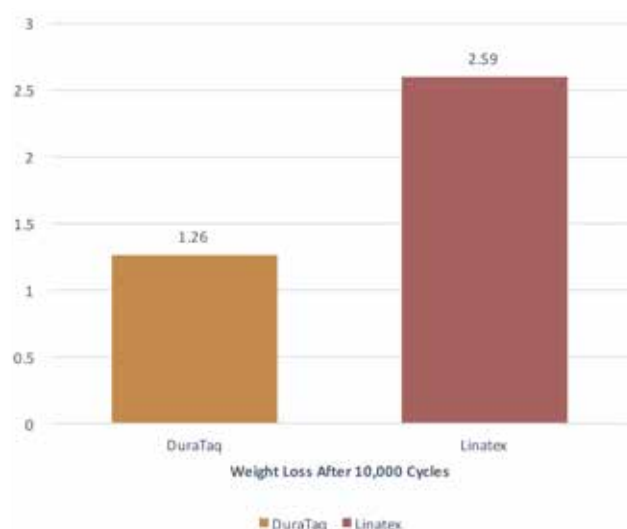
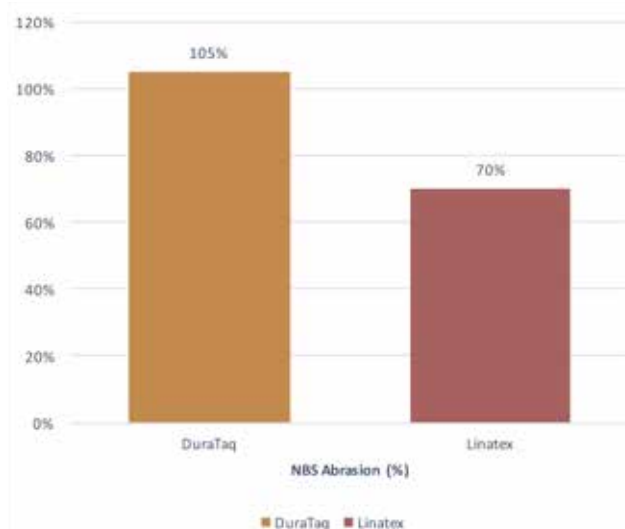
## Case Study Results: Belting Compound Upgrades

For a customer in the pharmaceutical paper folding business, the compound used for their belting proved to be a growing problem affecting uptime. The existing belting compound was sufficient, but had issues when it came to durability and wear, resulting in a need for replacement every 200,000 to 300,000 cycles. The company sought to resolve the problem, turning to Megadyne Americas for a cost-effective solution. After becoming familiar with DuraTaq™, the customer tested the compound as a potential solution to their problem.

During the course of the test, they experienced the compound's longevity and resistance to wear and decided to integrate DuraTaq™ in place of all of the belts in their machinery. Ultimately, the decision to move to DuraTaq™ provided the client with 7.5 million fold cycles onwards, with belt replacing only at normally scheduled machine maintenance.



## Abrasion Resistance

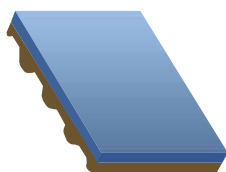


In many cases, a chosen belt substrate and cover material do not lend themselves to a cured homogeneous bond. In these cases, depending on the base belt type we can fabricate, laminate or extrude a cover to assist in product handling. Some examples of our other cover types are below.

## Types of Covers



Dark Green  
Millable Urethane



Blue Natural  
Rubber



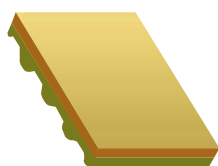
DuraTaq™ Plus



Dual Durometer  
Orange Urethane



Tan Gum  
Rubber



Yellow Foam



Red Natural  
Rubber



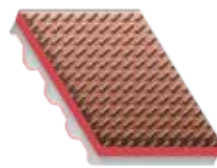
Black Natural  
Rubber



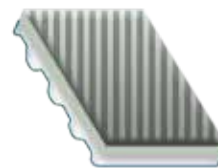
DuraTaq™  
Orange Natural  
Rubber



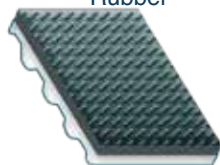
Blue Anti  
Glaze Rubber



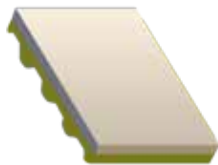
Red Rough Top



PU Ribbed



Green Super  
Grip



Tan Neo-  
prene



Yellow Milable



See More Cover Options  
at [MegadyneAmericas.com](http://MegadyneAmericas.com)

Megadyne Belt Corporation covers can be further modified with holes, slots, ground impressions, grooves, pockets and other designs to assist in enhancing product handling and movement. See our [modification abilities](#) for more information.



Megadyne Americas is an ISO 9001:2000/2008 certified company and a member of the National Industrial Belting Association (NIBA), the Power Transmission and Drive Association (PTDA), and the Packaging Machinery Manufacturers Institute (PMMI).