

# ***TOUGHFLEX®***



***BUILT FOR THE  
HARDEST HITS***

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# TOUGHFLEX®

**TOUGHFLEX® CONVEYOR BELTS HAVE BEEN DESIGNED TO HANDLE THE TOUGHEST CONVEYING APPLICATIONS, FROM BULK MATERIAL HANDLING TO MOBILE CRUSHING.**

ToughFlex® belts are constructed with a special weave of 2 fabric plies and an additional binder warp. The plies are reinforced to resist puncturing and are protected with heavy duty, wear resistant top and bottom covers.

This 2 ply construction, enables ToughFlex® to perform well on small to medium sized pulleys.

ToughFlex® can be easily hot spliced (vulcanised) to offer the perfect all-round solution for extreme conveying.

## SPECIFICATIONS

Abrasion Resistance (mm²)	Tensile Strength (N/mm²)	Ply	Top/Bottom Covers (mm)	Stock Widths (mm)
A120	EPP630	2	9 + 3	900/1000/ 1050/12000/ 1300/1400/1500

GIANTS OF BELTING



**SUPERIOR CUT, IMPACT AND WEAR RESISTANT COVERS**

**REINFORCED FABRIC PLYS TO RESIST PUNCTURING**

**PERFORMS WELL ON SMALL TO MEDIUM SIZED PULLEYS**

**EXCELLENT TROUGHABILITY**

**IDEAL FOR SMALLER TAIL PULLEYS**

**LONGER LIFESPAN - TOUGHFLEX® OUTLASTS EP MULTI-PLY BELTS 4X TIMES**

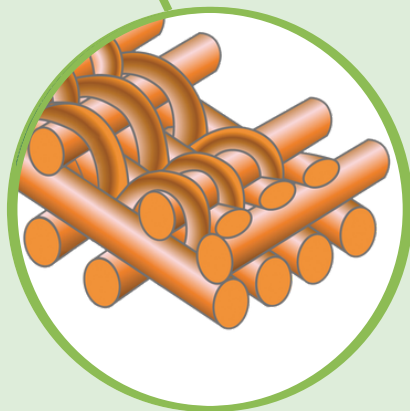
**PERFECT ALL-ROUND SOLUTION FOR EXTREME CONVEYING**

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# TOUGHFLEX® CONSTRUCTION



SPECIAL WEAVE OF 2 FABRIC PLIES  
& AN ADDITIONAL BINDER WARP FOR  
SUPERIOR PUNCTURE RESISTANCE.



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## CONVEYOR BELT SELECTION CHART

	ToughFlex®	Ripstop	Fabric Braker
<b>Wear Resistance</b>	Excellent	Good	Good
<b>Impact Resistance</b>	Excellent	Good	Good
<b>Rip Resistance</b>	Good	Excellent	Good
<b>Puncture Resistance</b>	Excellent	Excellent	Good
<b>Cut Resistance</b>	Excellent	Good	Good
<b>Small Pulley Diameters</b>	Good	Good	Good
<b>Troughability</b>	Good	Good	Good

## APPLICATIONS

Smiley Monroe ToughFlex® belts are highly recommended for use in Impact Crusher and these other applications:

- ✓ Mobile Crushing & Screening
- ✓ Aggregates
- ✓ Hard Rock Quarrying
- ✓ Recycling & Demolition
- ✓ Mining
- ✓ Environmental

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# IMPACT RESISTANCE TEST

## TOUGHFLEX®



TOP COVER

## EP MULTI-PLY



TOP COVER



BOTTOM COVER

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# TENSILE TEST



In a 10mm Ribar RIP Simulation Test, ToughFlex® outperforms other belting specifications by at least 25%.

TOUGHFLEX® BELTS ARE SUBJECT TO RIGOROUS IN - HOUSE TESTING FOR TENSILE STRENGTH, RIP AND IMPACT RESISTANCE. IT FULFILLS THE HIGHEST NATIONAL AND INTERNATIONAL STANDARDS - DIN 22102, ISO 10247 AND BS 490.



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