

 **TOUGHFLEX[®]**

 **SMILEY
MONROE**

***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 (mm ²)	Tensile Strength (N/mm ²)	Ply	Top/Bottom Covers (mm)	Stock Widhts (mm)
A120	EPP630	2	9 + 3	900/1000/ 1050/1200/
	EPP630	2	6 + 3	1300/1400/1500



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

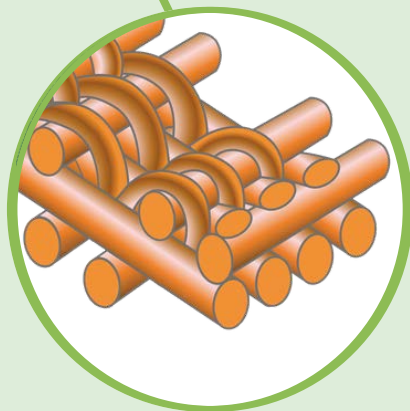
LONGER LIFESPAN - TOUGHFLEX® OUTLASTS EP MULTI-PLY BELTS 4X TIMES

PERFECT ALL-ROUND SOLUTION FOR EXTREME CONVEYING

TOUGHFLEX® CONSTRUCTION



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



GIANTS OF BELTING

CONVEYOR BELT SELECTION CHART

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

GIANTS OF BELTING

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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