Volta Belting Technology | Not all BLUE belts are created equal

MIR Belting Solved 24/7 On-Site Service 877 MIR-BELT

DR Material Belts

Superior Hydrolysis Ability, Proven Strength

- Superior belt strength – resistance to wear, tear and abrasion
- Improved resistance to chlorinated, acidic, and high-moisture conditions

Volta presents the highest results:

Highest measurable material strength	Best Hydrolysis resistance	Peerless performance in fatigue testing	Significantly less particle loss from abrasion/attrition

DR leads across key lab tests

Based on Standards' and internal tests against 5 main competitor materials. The tests are conducted under accelerated conditions to simulate long-term field conditions.

Metric	FDR-SD	Competition range	Conclusions
Hydrolytic stability – DIN 40050-9	**25 days (passed test)**	Most failed	One of competitors lasted over 20 days,4 less than 1 week
Material Strength – ASTM D638 5% [MPa]	**6.1**	3.4-6	Volta up to 44% stronger
Creep - % with a fixed overload – internal test	**4.5**	5.4-17.6	Volta up to 83% stronger
Abrasion DIN53516	**26**	31-41	Loses 35% less particles
Fatigue - internal test at room temperature and at -22.5° C (-8.6° F)	**100 hr - passed**	Failed (fissures and cracks)	Tests run at high speeds on small pulleys. DR not affected by end of tests.

Why processors upgrade to DR material

- FDA / EU approved homogeneous material
- Available in SuperDrive™, DualDrive™, Mini SuperDrive™ and fabrication materials
- Embossed-bottom SuperDrive™ option increases load capacity by 25%
- Reduced cost of ownership with longer belt life
- Better resistance to Javel water, oils, PAA and acidic ingredients in wet, aggressive environments

Selected case results

x2 Acidic confectionery lines

18 months and still running vs. 9-to-12-month cracking before converting to DR.

x3 Almond processing washdown

Life restored to 18 months from 6 months, belt sanitized with wet bleach.

x5 PAA dip tank

10 weeks to show cracking vs. 2 weeks for standard PU / M material.