

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.