



Product datasheet

LUDECK® NexGen Polyurethane

NexGen Polyurethane delivers unmatched durability, reliability and flexibility that enables maximum screening efficiency in a wide range of applications.

Key benefits

- Superior resistance to wear: Extends panel life up 3x
- Flexible and strong ligaments: Increases open area, reduces pegging
- Enhanced service-life: Fewer change-outs, leads to less overall waste
- Increased up-time: More equipment availability, increasing throughput

Redefine screening efficiency to discover untapped productivity, profitability and sustainability

Through R&D and various field testing, FLS was able to develop a revolutionary cutting edge polyurethane formulation.

Engineered to be durable and reliable to withstand even the harshest material and conditions, while still remaining flexible to eliminate plugging and blinding.

With improved wear life leading to reducing the required change outs, we are able to minimize CO₂ emissions, waste production and energy consumption.

Key features

- **Notable abrasion resistance** without compromising its **cut resistance**, a rare combination in polymers.
- **Exceptional resilience** and **low levels of compression deformation**, indicating high elasticity against shear stresses.
- **Low compressive strain values**, contradicting the trend in softer materials that usually lose elasticity over time.
- **Versatility in application**, as it is primarily used in screens and trommels for various processing lines and can be installed on any brand of these devices

Customer success cases



FLS trommel panels Screen media optimisation triples panel wear life

[flsmidth-screen-media_polyurethane-trommel-screen_case-study.pdf](#)



FLS screen media optimisation replaces rubber with polyurethane and increases productivity

[screen-deck-media_polyurethane_case-study.pdf](#) (flsmidth.com)

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