



Permanent Slip Masterbatch for Wire & Cable Inner Liners

Engineered for consistent low-friction performance, stable COF, and reliable blowing test results in PE-based inner liners.



Industry Challenge

Inner-liner friction is a critical performance factor in W&C production. High or unstable COF can lead to:

- ✓ Blowing test failures
- ✓ Difficult or inconsistent installation

Traditional slip additives often migrate and bloom, which is the main cause of COF instability over time.

Long-Term Slip Stability for Reliable Cable Performance

Tosaf's Permanent Slip Masterbatch is a high-performance, non-migrating additive masterbatch specifically engineered for polyethylene inner liners. It delivers stable slip performance throughout the product lifetime, ensuring reliable blowing test results and smooth cable installation.

Key Benefits

- ✓ Stable low COF over time
- ✓ Excellent performance in air-blowing and jetting tests
- ✓ Permanent, non-migrating slip technology
- ✓ No blooming or surface contamination
- ✓ Compatible with LDPE, LLDPE, HDPE and TPE-based cable compounds
- ✓ Enhances surface quality in high filler cable compounds (ATH/MDH)
- ✓ Reduces die drool

Typical Applications

Telecommunication and fiber-optic cable inner liners

Power cable inner liners • Micro-ducts and blown-fiber systems

Low-friction PE layers for specialty cable constructions

Supporting Sustainability Goals

- 🌿 Non-migrating technology supports cleaner mechanical recycling
- 🌿 No blooming or exudation, reducing contamination of recyclate streams
- 🌿 Enables mono-material PE cable designs, supporting circularity targets
- 🌿 Improves installation efficiency by reducing required air pressure
- 🌿 Long-lasting slip performance reduces waste and reprocessing

Ready to enhance reliability in wire and cable?

We'll help make it happen.

