

SILAGE WRAP FILM

SABIC & SML MASCHINENGESELLSCHAFT mbH

SUPEER™ (mLLDPE) COPOLYMER AND FORTIFY™ (POE) ELASTOMER

INDUSTRY CHALLENGE

Silage wrap used in farming and agriculture requires high strength and resistance to UV light, moisture, and other harsh environmental elements to protect and preserve organic bales such as grass, hay, and crops, used as winter feed for livestock. The silage wrap film protects against forage contamination and spoilage, supporting the eco-system.

SABIC SOLUTION

SABIC material solution for silage wrap film was developed in collaboration with global leading [co-extrusion film machine manufacturer SML](#), offers a unique material combination of FORTIFY™ (POE) and SUPEER™ (mLLDPE) grades in a multilayer structure. The FORTIFY™ is a PE elastomer which is used as tackifier, providing excellent adhesion properties while avoiding buildup on the wrapper pre-stretch rollers (reducing downtime). SUPEER™ metallocene grades can improve efficiency through down-gauging opportunities, and high tensile strength at low elongation. It also offers high tear strength and puncture resistance with optimal stiffness.

Certain SUPEER™ grades are also available as certified renewable from SABIC's TRUCIRCLE™ portfolio, produced with second-generation bio-based feedstock to support CO2 emissions reduction.



PUNCTURE RESISTANCE



STRENGTH & IMPACT PERFORMANCE



WEATHER RESISTANCE



EASE OF PROCESSABILITY

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