Airable
RESEARCH LAB
WHERE SUSTAINABLE SOLUTIONS START

Functional Soy Waxes

Airable Research Lab has developed a versatile soy-based wax platform designed to replace or complement petroleum-based waxes such as paraffin, polyethylene, and Fischer-Tropsch waxes. Our portfolio demonstrates broad expertise across functional wax classes and the ability to tailor properties for diverse industrial needs.

TECHNOLOGIES

- Polymer Waxes
  - *Polyamide, polyester, acrylic*
  - Hard and resistant
  - Adhesives, coatings, and inks
- Functionalized Waxes
  - *Polar, ionic, specialty*
  - Dispersibility, emulsifiable, compatible
  - Textiles, paper, formulations
- Custom Blends and Hybrids
  - *Tailored combinations*
  - Gloss/matte, lubricity/adhesion, thermal stability
  - Unique product performance

BENEFITS

- Broad range of melting points, viscosities, stiffness, and finishes
- Tunable adhesion, lubricity, and surface properties
- Compatibility with diverse substrates and formulations
- Potential for oil thickeners, coatings, inks, adhesives, mold release, and fabric/paper treatments
- Bioderived content that can vary depending upon the chemistry desired and physical targets

Bring us your performance targets.
Airable will match your needs with existing soy wax solutions or design a custom synthesis to hit your specifications.

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