

POLIFILM



**PRODUCT DEVELOPMENT
LABORATORY ANALYSES**

COMPETENCE IN FILMS

POLIFILM EXTRUSION

LABORATORY ANALYSES

MECHANICAL TESTS

Universal tensile test systems
Elmendorf tester (ISO 1922)
Dart drop (ISO 7765)
High-light test
Determination of CoF (DIN EN ISO 8295)
Film stiffness (DIN 53121)
Determination of cling (ASTM 5458)

ANALYTICS

DSC (Differential Scanning Calorimetry)
IR spectroscopy (IR; ATR)
Determination of UV-VIS

THERMAL TESTS

Shrinkage force (DIN EN ISO 14616)
HOT-TACK (ASTM 1921)
MFI (DIN EN ISO 1133)

OPTICAL TESTS

Light microscopy
(defect detection; layer structure; thin-cutting)
Transparency (ASTM 1003)
Determination of gloss level (20°, 45°, 60°, 85°)
Determination of colour

OTHER TESTS

Water vapour permeability (DIN EN 1931)
Reaction to fire of construction materials (DIN EN ISO 11925)
Sensory reception – taste and smell test (DIN 10955)
Electrical surface resistance (ring electrode) (DIN IEC 93)
Artificial radiation and weathering in devices (DIN EN ISO 4892)

