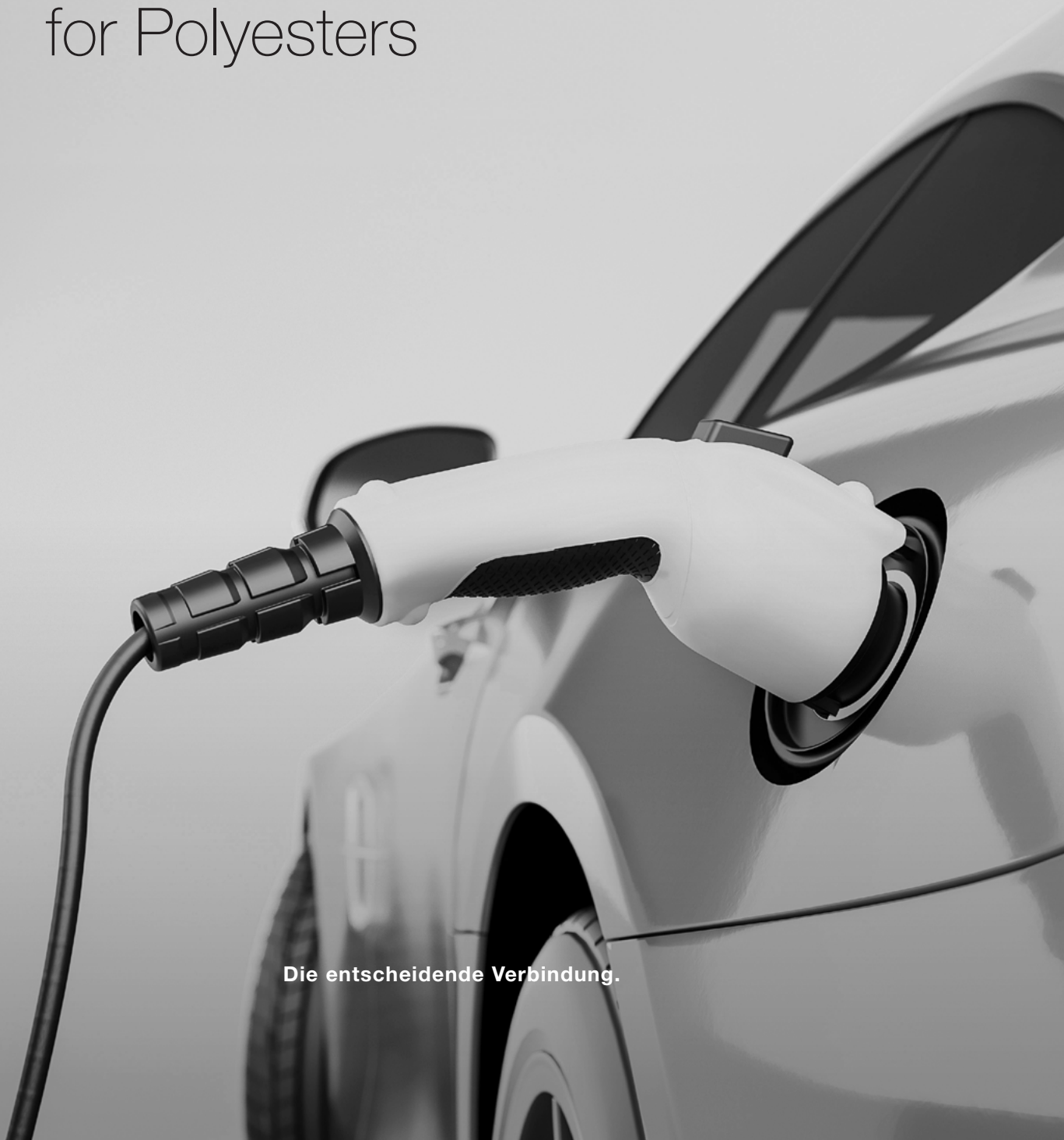


High Performance  
Additives and  
Impact Modifiers  
for Polyesters



Die entscheidende Verbindung.

# High Performance Additives and Impact Modifiers for Polyesters

## Heat Stabilizer Packages

### BRUGGOLEN®H175

### BRUGGOLEN®H161

#### Very efficient color and long-term heat stabilization of Engineering Thermoplastics

- non-extractable, no plate-out
- also effective in polycarbonates and styrenics
- excellent color stabilization

## Processing Stabilizer and Processing Agent

### BRUGGOLEN®H10

#### Best protection against discoloration during processing

- reduced yellowing during melt processing
- protection against discoloration after ageing by heat and UV-light
- H10 is superior to organic phosphites because of its:
  - excellent resistance against high shear stress and elevated temperatures
- non-volatility
- resistance against hydrolysis
- especially suited for glass fiber reinforced grades

### BRUGGOLEN®P130

#### Combination of internal and external lubricants

- very efficient due to low volatility and high thermal stability
- high gloss and good surface protection
- excellent mould release
- broadened processing window

## Nucleating Agent

### BRUGGOLEN®P254

#### Highly efficient nucleating agent

- reduction of cycle time during injection moulding
- improved dimensional stability – significant reduction of warping in GF-reinforced compounds
- improved mechanical properties (tensile strength, stiffness, etc.)
- increased heat distortion temperature
- non-volatile; non-extractable

## Flow Enhancer

### BRUGGOLEN®TP-P1924

#### Easy flow and excellent mechanical performance

- superior melt flow
- improved processing of glass fiber filled grades
- retention of mechanical properties
- advantages in injection molding
  - enables lightweight and complex part design
  - cycle time reduction
  - low energy consumption
- easy to dose and disperse

## Impact Modifier

**MFI (190°C/2.16 kg)**  
**[g/10 min]**

**Density**  
**[g/cm³]**

**Recommended**  
**dosage [%]**

**Compoline CO/PA BA**

**2.5**

**0.92**

**3-20**