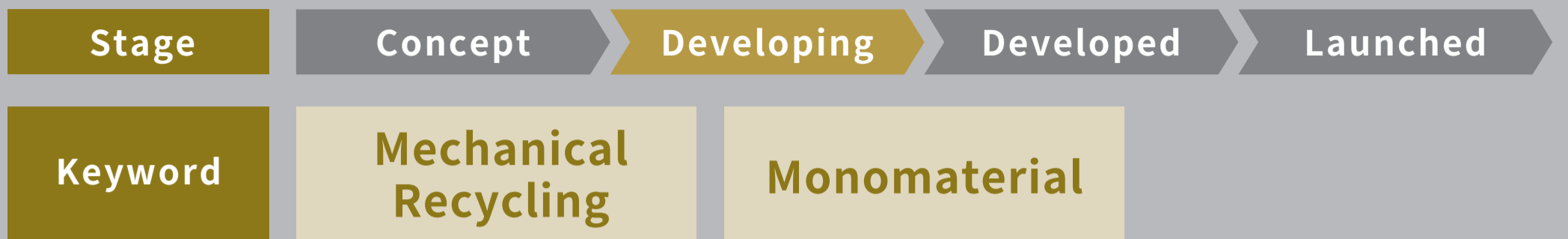


High-Density Polyethylene for Biaxially Oriented Film



Use **Substrate of Laminated Packaging Materials**

Background

- Polyethylene film tends to tear during orientation.
- Conventional packaging films (e.g., PET/PE, PA/PE) are difficult to recycle due to their multilayer and multi-material structures.

Feature

Convert to Monomaterial

PET, PA, etc.
Print
Adhesive
PE Sealant

➔

BOPE
Print
Adhesive
PE Sealant

- Unique technology enables biaxial orientation of high-density polyethylene
- Providing monomaterial packaging solutions by adopting BOPE
- Excellent transparency and gloss

BOPE 12µm No film

HOPE & LOOP™

Orientation Ratio: 5 x MD x 8 x TD
Thickness: 12 µm
Haze: 5% (PET-like transparency)

BOPE manufacturing : The Japan Steel Works, Ltd.