

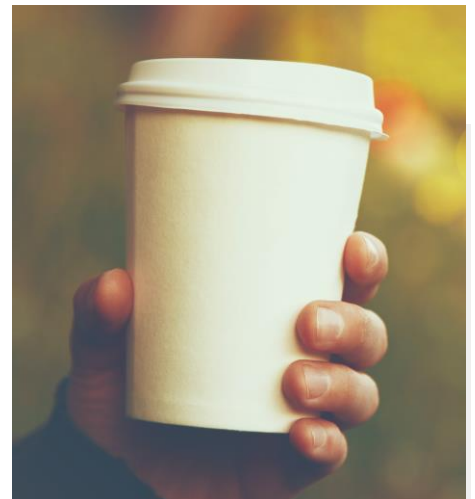
Joncryl[®] HPB 4010 & Joncryl HPB 4030 Heat Sealable, Liquid Barrier polymers

Performance benefits

- May be formulated into water-based barrier coatings with similar properties as extruded PE
- Heat-sealable, block-resistant, liquid barrier with food contact approval for paperboard packaging
- High bond strength at elevated temperatures

Sustainability benefits

- Confirmed repulpable and recyclable by in-house laboratory testing.
- Enables barrier and heat seal performance with repulpability
- Provides an option to minimize waste in converting processes



Multiple liquid barrier applications for hot and cold cups

JONCRYL HPB 4010 & Joncryl HPB 4030

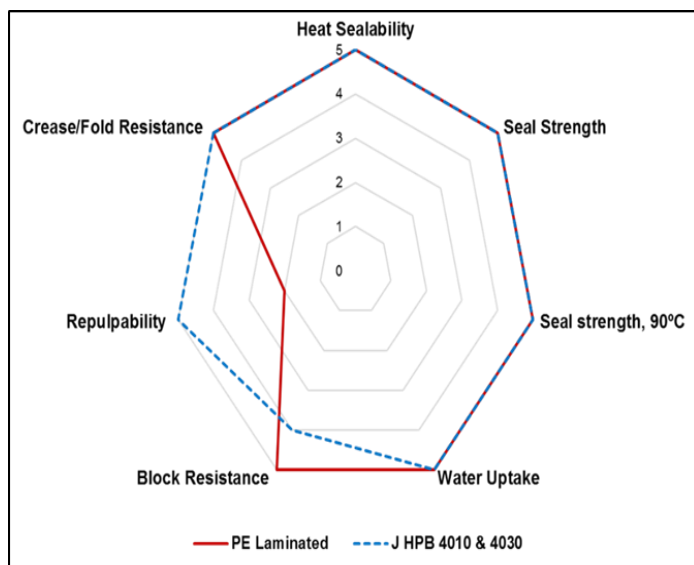
Heat-sealable barrier coatings for paperboard packaging

JONCRYL HPB 4010 is a primer designed for use with JONCRYL HPB 4030 topcoat binder. After formulating, the primer / topcoat system provides highly water-resistant, heat-sealable coatings with good block resistance for use on paperboard packaging.

Comparison of 2-layer Joncryl HPB coating system to extruded polyethylene

Starting point formulas and performance

For end uses requiring improved seal strength (20 minute Cobb < 2.0 g/m²) and block resistance:



1 st layer	
Joncryl HPB 4010	99.7%
Sterocoll FS na	0.2%
Defoamer	0.1%
Water	As needed for application viscosity
Target dry coating weight: 8 gsm	
2 nd layer	
Joncryl HPB 4030	89.4%
Joncryl DFC 3050	10.0%
Sterocoll FS na	0.5%
Defoamer	0.1%
Water	As needed for application viscosity
Target dry coating weight: 5 gsm	

Enables sustainable packaging with barrier and heat seal

- Good barrier and heat seal properties, while still repulpable
- Flexibility in application methods (e.g. rod, gravure)
- Good bond strength at elevated temperature

Contacts

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