

BARRIER PRODUCT RANGE

Solutions for Functional Paper Packaging

Product	Application	Indicative barrier performance						
		Liquid	MVTR	OGR	Aroma	Oxygen	Migration*	Sealability
ecovio® PS 1606	extrusion	●		●	●		●	●
ULTRAMID® B27 / B33L	co-extrusion			●	●	○	●	
EPOTAL® SP-101D	coating, printing			●	●		●	○
EPOTAL® SP-106D	coating, printing	●	●					○
EPOTAL® S 440	coating, printing	●		●				
EPOTAL® A 480	coating, printing	●		●				○

Notes: 1. For regional availability please enquire

* Migration of mineral oil contaminants ○ Suitable ● High performing

BASF Corporation

Functional Packaging
24710 West Eleven Mile Road
Southfield, MI 48034
dpsolutions@basf.com
www.basf.us/functionalpackaging

Please contact us to arrange a discussion with our specialists to identify the most suitable solution for your needs.

Food contact approvals exist for all products.
For details please consult.



ecovio® PS 1606

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Product description

- + Excellent migration barrier
- + Combines outstanding barrier performance with excellent sealability
- + Ensures food safe packaging
- + 75% renewable content
- + Compostable
- + Improved scratch resistance and stiffness

Application details

- Extrusion-based solution running on commonly available equipment
- Typical film thickness 10–15 micron
- Lower extrusion temperatures compared to PE

Barrier performance

- Liquid barrier
- MVTR barrier
- OGR barrier
- Aroma barrier
- Oxygen barrier
- Migration barrier
- Sealability

○ Suitable ● High performing



ecovio® PS 1606

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Product description

- + Excellent migration barrier
- + Ensures food safe packaging
- + Excellent aroma and moderate oxygen barrier
- + Adds strength to coatings, excellent puncture resistance
- + Excellent thermal and chemical resistance

Application details

- Co-extrusion, typically together with PE
- Typical coating thickness 5–10 micron
- Two grades available depending on viscosity requirements

Barrier performance

- Liquid barrier
 - MVTR barrier
 - OGR barrier
 - Aroma barrier
 - Oxygen barrier
 - Migration barrier
 - Sealability
- Suitable ● High performing



EPOTAL® SP-101D

Solutions for Functional Paper Packaging



Product description

- + Excellent migration barrier
- + Excellent fat & grease and aroma barrier
- + Ensures food safe packaging
- + Easily recycled

Application details

- Typical coat weight 4–12 g/m²
- Suited for coating and printing processes



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Barrier performance

- Liquid barrier
 - MVTR barrier
 - OGR barrier
 - Aroma barrier
 - Oxygen barrier
 - Migration barrier
 - Sealability
- Suitable ● High performing



EPOTAL® SP-106D

Solutions for Functional Paper Packaging



Product description

- ⊕ Excellent liquid and water vapor barrier
- ⊕ Easily recycled

Application details

- Typical coat weight 4–12 g/m²
- Suited for coating and printing processes



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Barrier performance

- Liquid barrier
- MVTR barrier
- OGR barrier
- Aroma barrier
- Oxygen barrier
- Migration barrier
- Sealability

Suitable High performing



EPOTAL® S 440

Solutions for Functional Paper Packaging



Product description

- + Excellent short-term fat & grease barrier
- + Excellent liquid barrier
- + Easily recycled

Application details

- Typical coat weight 4–12 g/m²
- Suited for coating and printing processes



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Barrier performance

- Liquid barrier
- MVTR barrier
- OGR barrier
- Aroma barrier
- Oxygen barrier
- Migration barrier
- Sealability

○ Suitable ● High performing

EPOTAL® A 480

Solutions for Functional Paper Packaging



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Product description

- + Excellent liquid and fat & grease barrier with good heat sealing properties
- + Easily recycled
- + Can also be used as a starch additive for corrugated gluing, providing pin adhesion improvement and resistance to moisture

Application details

- Typical coat weight 4–12 g/m²
- Suited for coating and printing processes
- Applied as an additive 3–10% by weight for corrugated gluing

Barrier performance

- Liquid barrier
 - MVTR barrier
 - OGR barrier
 - Aroma barrier
 - Oxygen barrier
 - Migration barrier
 - Sealability
- Suitable High performing



EPOTAL® DS 2012

Solutions for Functional Paper Packaging



Product description

- + Excellent liquid and water vapor barrier
- + Easily recycled

Application details

- Typical coat weight 4–12 g/m²
- Suited for coating and printing processes



Barrier performance

- Liquid barrier
- MVTR barrier
- OGR barrier
- Aroma barrier
- Oxygen barrier
- Migration barrier
- Sealability

Suitable High performing

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