



Nanolok™ PT ADV-E

Product Data Sheet

Product Description

High Barrier, Water Based, Environmentally Friendly, Nanocomposite Barrier Coating for Transparent Sustainable Packaging

Coating Formulation Properties

Property	Typical Value	Units
Oxygen Permeability	1.5-1.7 0.003 - 0.005	cc- μ /m ² -day-atm cc-mil/100 in ² -day-atm
Solid Content	7 - 8	%
pH	6 - 8	
Viscosity	10 - 20	cP (100 rpm, 132 sec ⁻¹)

- More cost effective than EVOH
- Excellent barrier up to 80% RH
- Meets compostibility standards on bio-derived films
- Compliant with US and European food contact standards
- Targets dry food applications such as salty snacks, nuts, coffee
- Can be applied at high speeds using standard gravure coating methods
- No halogen, VOC's, or hazardous materials

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Coated Film Properties

Base Film			PET 48 gauge	
Property	Units	RH		
Coating Thickness	micron		1.0 ± 0.1	
OTR 23C	cc/m ² -day-atm (cc/100 in ² -day-atm)	0%	1.5	(0.1)
		65%	3	(0.2)
		80%	9	(0.6)
Adhesion	gm/inch	23C	>300	