



# 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- $\mu$ /m <sup>2</sup> -day-atm cc-mil/100 in <sup>2</sup> -day-atm
Solid Content	7 - 8	%
pH	6 - 8	
Viscosity	10 - 20	cP (100 rpm, 132 sec <sup>-1</sup> )

- 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

### **InMat Inc.**

216 Route 206 Suite 7, Hillsborough, NJ 08844 USA

(908) 874-7788 phone (908) 874-7672 fax

[www.inmat.com](http://www.inmat.com)



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### Coated Film Properties

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