



Nanolok™ PT HSC 3530

Product Data Sheet

Product Description

High Barrier, Water Based, Environmentally Friendly, Nanocomposite Barrier Coating for Paper Coatings

Coating Formulation Properties

Property	Typical Value	Units
Oxygen Permeability	0.3 – 0.4	cc-um/m ² -day-atm
Solid Content	30 - 32	%
pH	7 - 9	
Viscosity	1000 - 2000	cP (1.5 rpm, 1.98 sec ⁻¹)

- Designed for direct application to paper and base coated paperboard
- Provides oxygen barrier competitive with nylon extrusion coated paper
- Can be applied at high speeds using paper coating methods
- Also provides excellent oil and grease resistance (passes OGR Kit# 10)
- No halogen, VOC's, or hazardous materials

Comparison of Coated and Uncoated Film

Film	Nanolok PT HSC coating thickness (microns)	OTR 23C 0% RH (cc/m ² -day-atm)	MVTR 38C, 65% RH (gm/m ² -day-atm)
PET 48 gauge	None	120	45
	7.0	40	20
BOPP 80 gauge	None	2150	
	7.0	40	

Data shown on film as an indication of what could be achieved on paper.

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