



**NanoSeal™ PLA BARRIER COATED FILM**

**Product Description: NS3-PLA80**

NanoSeal™ PLA is a clear polylactide film with one side having a gas barrier coating of NanoSeal™. The film can be industrially composted, and the material will breakdown and revert to carbon dioxide and water in less than 90 days. The coated side can be printed and laminated. NanoSeal™ coated films have been approved for indirect food contact.



**PROVISIONAL TECHNICAL DATA SHEET**

**Typical Properties**

Property	Thickness (microns)	Value	Units	Test
<b>BARRIER</b>				
Oxygen Permeability - 24 hours	81.5	0.10 - 0.30	cc/100 in <sup>2</sup>	ASTM D1434 77°F/50% RH/1 ATM
Moisture Permeability – 24 hours	81.5	5.0 – 7.0	g/100 in <sup>2</sup>	ASTM F1249 38°C, 90% RH
<b>PHYSICAL</b>				
Tensile Strength MD	81.5	9,000	psi	ASTM D822A
Tensile Strength TD	81.5	15,000	psi	ASTM D822A
Coefficient of Friction (uncoated side)	81.5	0.5	untreated	ASTM 1894
Yield (nominal)	81.5	27.4 39.0	msi/lb. M/kg	

**Preferred Applications**

Dry mix ingredients, confections, snacks, nuts, bakery, coffee, spice

**Sales Contact Info**

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**Disclaimer**

Note: These values are typical performance data for NanoSeal™ barrier coatings on a GENERIC polylactide film normally used for printing and laminating. We believe this information is the best currently available on the subject. It is subject to revision as additional knowledge and experience is gained. NanoPack Inc. makes no guarantee of results and assumes no obligation or liability whatsoever in connection with this information. This publication is not a license to operate under, or intended to suggest infringement of, any existing patents. Users are advised to determine the safety and suitability of each product or product combination for their own purposes.

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