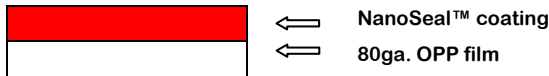




NanoSeal™ - OPP BARRIER COATED FILM

Product Description: NS3-OPP80

NS3-OPP80 is a clear oriented polypropylene film with one side having a gas barrier coating of NanoSeal™. The coated side can be printed and laminated with adhesive or extrusion tie layers.



PROVISIONAL TECHNICAL DATA SHEET

Typical Properties

Property	Thickness	Value	Units	Test
BARRIER				
Oxygen Permeability (OTR)	80ga.	0.3 - 0.5	cc/100 in ² /day	ASTM D1434 77°F@ 50% RH, 1 ATM
Water Vapor Transmission Rate (WVTR)	80ga.	0.35	g/100in ² /day	ASTM F1249 100°F@ 90% RH
PHYSICAL				
Density	80ga.	0.906	g/cc	
Elongation at Break MD	80ga.	180	%	ASTM D822A
Elongation at Break TD	80ga.	70	%	ASTM D822A
Tensile Strength MD	80ga.	19,000	psi	ASTM D822A
Tensile Strength TD	80ga.	35,000	psi	ASTM D822A
Yield (nominal)	80ga.	38,500	in ² /lb	

Preferred Applications

Dry mix ingredients, confections, snacks, pet food, bakery, coffee

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Disclaimer Note: These values are typical performance data for NanoSeal™ barrier coatings on a GENERIC polypropylene 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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