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.

Typical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Thickness</th>
<th>Value</th>
<th>Units</th>
<th>Test</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxygen Permeability (OTR)</td>
<td>80ga.</td>
<td>0.3 - 0.5</td>
<td>ccm/100 in²/day</td>
<td>ASTM D1434 77°F@ 50% RH, 1 ATM</td>
</tr>
<tr>
<td>Water Vapor Transmission Rate (WVTR)</td>
<td>80ga.</td>
<td>0.35</td>
<td>g/100in²/day</td>
<td>ASTM F1249 100°F@ 90% RH</td>
</tr>
</tbody>
</table>

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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