

## LAMINATION FILMS



### TECHNICAL SUPPORT

We pride ourselves in providing high quality services and technical support to all customers.

### CONTACT INFORMATION

For more information on any of our products or services, please contact us at:

Golden Eagle Extrusions, Inc.  
1762 State Route 131  
Milford, Ohio 45150  
P - 800.634.3355  
F - 513.248.8300

[www.goldeneagleextrusions.com](http://www.goldeneagleextrusions.com)  
[info@goldeneagleextrusions.com](mailto:info@goldeneagleextrusions.com)

# NP-31

## STANDARD THICKNESS - 3.1 MIL

**NP-31** is a medium to high-barrier film with good strength characteristics as well as high heat and puncture resistance. This film is available in white opaque or clear.

### Key Features

- Excellent moisture and oxygen barrier
- Good puncture resistance
- Strong, durable film
- Maintains package integrity

PROPERTIES	UNIT	TESTING METHOD	TYPICAL VALUES
<b>MECHANICAL</b>			
Tensile Strength MD TD	lb/in <sup>2</sup>	ASTM D882	10,800 10,400
Elongation MD TD	%	ASTM D882	160 160
<b>PHYSICAL</b>			
Yield	in <sup>2</sup> /lb		9,100
COF Sealant side Heat resistant side		ASTM D1894	0.20 - 0.35 >.35
Haze	%	ASTM D1003	9
<b>BARRIER</b>			
MVTR	g/100 in <sup>2</sup> /day	ASTM F1249 38°C, 100%RH	0.4
OTR	cc/100 in <sup>2</sup> /day	ASTM D3985 23°C, 0%RH	3.3
<b>THERMAL</b>			
Vicat Softening Temperature	F	ASTM D1525	220°

**Disclaimer:** Nothing in this data sheet is to be taken as a warranty. Offered for your consideration only, the information provided herein represents our best knowledge and judgment. Golden Eagle Extrusions, Inc. assumes no liability whatsoever in connection with the use of this information.