



## CBN 190 - is manufactured through the process of Extrusion Lamination

<b>Product Name</b>	Clear Barrier Nylam 190
<b>Product Oder Code</b>	CBN 190
<b>Product Description</b>	Clear Barrier Nylam 190 is a highly versatile film, ideal for SUP packaging with good moisture and oxygen barrier properties.
<b>Construction</b>	Barrier Coated Pet // tie layer // BO Nylon// tie layer // mLLDPE film
<b>GSM</b>	184.5 g/m <sup>2</sup>
<b>Gauge</b>	190 micron
<b>Tolerance</b>	+/- 7%

PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES
<b>Oxygen Barrier (OTR)</b>	Mocon OX-TRAN 150 - ASTM F 3985	cc/m <sup>2</sup> /24 hours at 23°C at 50% RH	< 0.6cc
<b>Flex durability test (Gelbo)</b>	Param FDT-01 Flex Durability tester ASTM F 3985	50 cycles @ 440° twist over 155mm stroke then OTR tested	< 6cc
<b>Tensile strength to break MD</b>	ISO 527-3/2/100	N/15mm	90 N
<b>Tensile strength to break CD</b>	ISO 527-3/2/100	N/15mm	90 N
<b>Bond Strength between Pet and Nylon</b>	Internal Maverick method based on ISO 11339:2003	N/25mm	≥ 7N
<b>Bond Strength between Nylon and PE</b>	Internal Maverick method based on ISO 11339:2003	N/25mm	≥ 7N
<b>Co-efficient of Friction film/film</b>	ISO 8295	Static (Us) & Dynamic (Ud)	Us = 0.4 ± 2 Ud = 0.4 ± 2

## REEL INFORMATION

Requirement	Specification	Tolerance / Notes
Slit Width	As specified on order	+2mm - 0mm
Reel OD/ Meters/ Reel	450mm – 600mm	+/- 20mm
Cores	76mm Heavy Duty Core	N/A
Reel Splices	Maximum of 2 splices per reel: all splices will be flagged with red tape extending 10mm from one side of the reel	N/A
Unwind	Sealing layer of the construction will be on the inside of the reel	N/A

## PACKING AND LABELLING

### Reel Identification

Reels will be individually wrapped in polyethylene.  
Reels will be protected in a suitable manner for the method of transportation.

Each reel will be identified as follows:

- Suppliers Name
- Material Description
- Batch Number
- Reel Number
- Reel Weight
- Meters per reel

## MATERIAL SAFETY AND CONFORMANCE

### Food Safety

- The raw materials used in the construction of this product have been declared safe for food contact applications in compliance with the FDA regulation 177.1520 when used unmodified and according to good manufacturing practices for food contact applications.
- No post-consumer recycled materials are used in manufacturing this product.

### Critical Applications

- This product cannot be used for holding food during cooking.
- Products packed under high heat or steam conditions should be done with caution.
- Products with high acidity should be monitored after packing.
- For any new application it is recommended that CBN 90 is first sampled to determine the suitability.

### Conformance

- A Certificate of Conformance will accompany the Production Order if requested by the customer.

### Storage Conditions

- Store in dry conditions
- Ideal storage conditions are between 5°C and 35°C
- Reels must remain wrapped and should not be placed directly on the ground. This will reduce the risk of contamination and ingress of moisture.

### Usage

- Material should be utilized within one (1) year of receipt.

**Disclaimer:** The information contained within this Material Data Sheet is considered to be accurate based on reliable test procedures and equipment. However Maverick Flexible does not offer any guarantee on the results and does not accept any liability arising out of the use of the information contained herein. It remains the responsibility of the User to ensure the suitability of the product for the particular use intended.

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