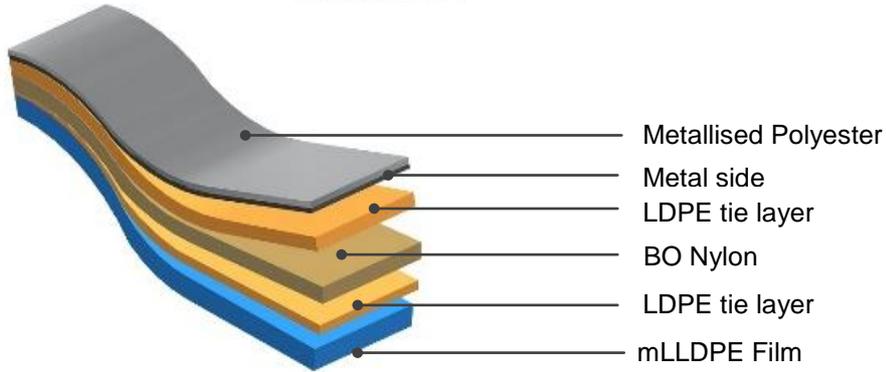


MAVERiCK

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MNP 160 - is manufactured through the process of Extrusion Lamination

Product Name	Nylam 160
Product Order Code	MNP 160
Product Description	Nylam 160 is ideal for the packaging industry where you need good oxygen and moisture barrier properties with excellent flex durability such as Bag-in-Box.
Construction	MetPet // tie layer // BO Nylon // tie layer // mLLDPE film
GSM	158.5 g/m ²
Gauge	160 micron
Tolerance	+/- 7%

PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUE
Oxygen Barrier (OTR)	Mocon OX-TRAN 150 - ASTM F 3985	cc/m ² /24 hours at 23°C at 50% RH	< 0.6cc
Optical Density	X Rite 341 Optical Densitometer	n/a	≥ 2.5
Tensile strength to break MD	ISO 527-3/2/100	N/15mm	≥ 90N
Tensile strength to break CD	ISO 527-3/2/100	N/15mm	≥ 90N
Bond Strength between MetPet and Nylon	Internal Maverick method based on ISO 11339:2003	N/25mm	≥ 5N*
Bond Strength between Nylon and PE	Internal Maverick method based on ISO 11339:2003	N/25mm	≥ 7N
Co efficient of Friction film/film	ISO 8295	Static (Us) & Dynamic (Ud)	Us = 0.4 ± 0.2 Ud = 0.4 ± 0.2

*NOTE: this figure is dependent on the metal adhesion strength to the Metallised Polyester base film

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 both sides of the reel	N/A
Unwind	Sealing layer of the construction will be on the inside of the reel	N/A

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 MNP 160 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.

Note: 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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