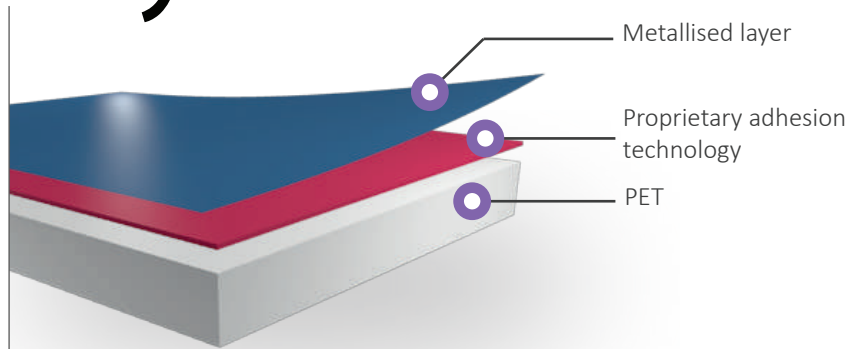


# Claryl<sup>®</sup> MHA

## Application

- High-end packaging laminates



AN OPAQUE BARRIER PET FILM  
WITH EXCELLENT METAL ADHESION

## Benefits

- Excellent metal adhesion in severe conditions
- Opaque gas barrier film
- High thermal stability and good machinability

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Place d'Arménie,  
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To access Toray Films Europe's **certifications list**, please visit  
[www.torayfilms.eu/en/certifications](http://www.torayfilms.eu/en/certifications)

/// **Typical Values** *(These values do not constitute binding specifications)*

Properties	Test Method	Unit	12 µm
<b>YIELD</b>			
Unit Weight		g/m <sup>2</sup>	16.8
Area Yield		m <sup>2</sup> /kg	59.5
<b>MECHANICAL</b>			
Tensile Strength MD	ASTM D882	daN/mm <sup>2</sup>	20
Tensile Strength TD			22
Elongation at Break MD	ASTM D882	%	125
Elongation at Break TD			100
<b>THERMAL</b>			
Shrinkage 150°C 30mn MD	Internal Method	%	1.6
Shrinkage 150°C 30mn TD			0.6
<b>BARRIER</b>			
OTR. 50% HR. 23°C	ASTM F1927	cm <sup>3</sup> /m <sup>2</sup> per day	1.4
MVTR. 90% HR. 38°C	ASTM F1249	g/m <sup>2</sup> per day	0.3
<b>SURFACE</b>			
Metal adhesion / Heat seal test	Internal Method	N/38mm	> 5
Coefficient of friction (PET side)	ASTDM D1894		0.3

/// **Regulation**

Claryl® MHA complies with European applicable requirements for food contact applications. For Toray's certification concerning specific applications with each product, please refer to the 'Declaration of Compliance'.

/// **Presentation of the rolls**

**Roll packaging:** The rolls are suspended on standard paper core with internal diameter of 152.8mm. For all presentation, minimum roll width = 340mm and maximum roll width = 2100mm.

**Returnable packaging:** Wooden flanges, plastic flanges and pallets are returnable. The metallised side is identified on the labels:



/// **Please contact us for...**

- Any other presentation (width, length, core)
- Process for returnable packaging
- Any other information about typical values, measuring conditions, tolerances, deliveries...

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**DISCLAIMER:** This leaflet is provided for informational purpose only and is not binding, nor can it constitute specifications to the buyer. The information contained in this document is based on numerous tests and trials we have carried out in our laboratories. Deviations from the results thus obtained can therefore be experienced depending on the actual conditions of use. This document does not provide any guarantee with regard to compliance of our product with the typical values indicated, nor does it provide any guarantee as the suitability of our products for any particular use.