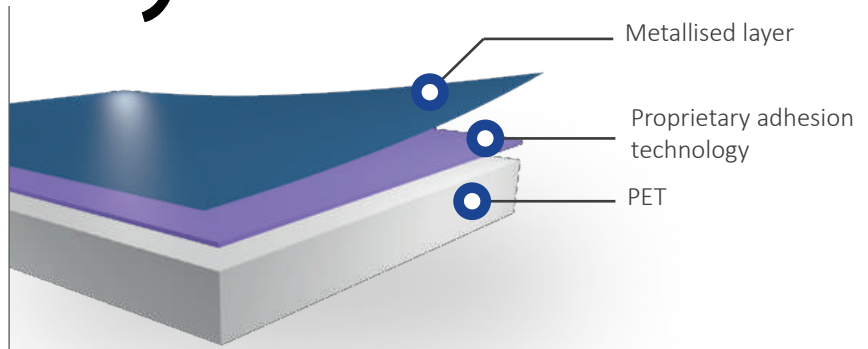


# HAB Claryl® HAB-O

## Application

- High end packaging laminates
- Bag-in-box



Claryl® HAB

METALLISED PET FILM WITH HIGH BARRIER  
AND EXCELLENT METAL ADHESION

## Benefits

- High gas barrier
- Excellent metal adhesion
- Extended packaging shelf life
- Opaque gas barrier film
- High protection against natural and UV light
- High thermal stability and good machinability

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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	8 µm	12 µm
<b>YIELD</b>				
Unit Weight		g/m <sup>2</sup>	11.2	16.8
Area Yield		m <sup>2</sup> /kg	89.3	59.5
<b>MECHANICAL</b>				
Tensile Strength MD	ASTM D 882	daN/mm <sup>2</sup>	23	21
Tensile Strength TD			22	21
Elongation at Break MD	ASTM D 882	%	107	100
Elongation at Break TD			100	100
<b>THERMAL</b>				
Shrinkage 150°C 30mn MD	Internal Method	%	2.1	1.7
Shrinkage 150°C 30mn TD			0.2	0.5
<b>BARRIER</b>				
OTR. 50% HR. 23°C	ASTM F1927	cm <sup>3</sup> /m <sup>2</sup> per day	0.3	0.3
MVTR. 90% HR. 38°C	ASTM F1249	g/m <sup>2</sup> per day	0.6	0.4
<b>SURFACE</b>				
Metal adhesion / Heat seal test	Internal Method	N/38mm	> 5	> 5

/// **Regulation**

Claryl® HAB and HAB-O comply 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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