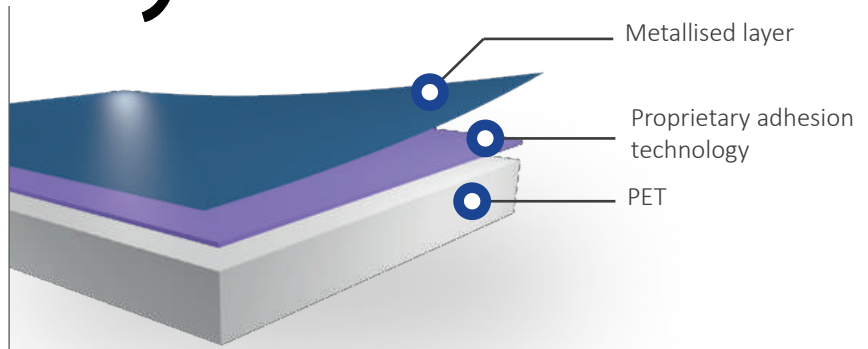


Claryl® HAB Claryl® HAB-O

Application

- High end packaging laminates
- Bag-in-box



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

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

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

Claryl® is a registered trademark of Toray Films Europe SAS- TFE November 2019

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