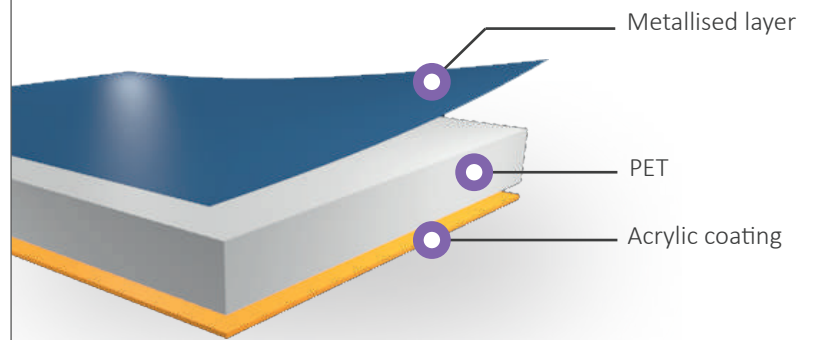


Claryl® MP MP-O

Application

- High quality packaging
- Frozen food
- Surface printed laminate



METALLISED PET FILM
WITH ONE COATED SIDE

Benefits

- Opaque gas barrier film
- Improved ink adhesion on treated side
- High protection against natural and UV light
- High thermal stability and good machinability

Toray Films Europe SAS,
Place d'Arménie,
01700 Saint-Maurice-de-Beynost, FRANCE

To access Toray Films Europe's **certifications list**, please visit
www.torayfilms.eu/en/certifications

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

Properties	Test Method	Unit	4,5 µm	6 µm	8 µm	12 µm	19 µm
YIELD							
Unit Weight		g/m ²	6.3	8.4	11.2	16.8	26.6
Area Yield		m ² /kg	158.7	119.1	89.3	59.5	37.6
MECHANICAL							
Tensile Strength MD	ASTM D 882	daN/mm ²	27	24	22	22	20
Tensile Strength TD			20	22	20	21	21
Elongation at Break MD	ASTM D 882	%	80	82	81	100	120
Elongation at Break TD			95	97	107	100	100
THERMAL							
Shrinkage 150°C 30mn MD	Internal Method	%	1.5	1.9	1.9	1.8	1.5
Shrinkage 150°C 30mn TD			-0.2	0.3	0.5	0.5	0.5
OPTICAL							
Optical density			1.8	2	2.2	2.2	2.2
BARRIER							
OTR. 50% HR. 23°C	ASTM F1927	cm ³ /m ² per day	1.5	1.5	0.6	0.6	0.6
MVTR. 90% HR. 38°C	ASTM F1249	g/m ² per day	1.5	1.5	1.0	1.0	1.0
SURFACE							
Metal adhesion / Heat seal test	Internal Method	N/38mm	1	1	1	1	1

Regulation

Claryl® MP and MP-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...

Lumirror® is a registered trademark of Toray Films Europe SAS - TFE March 2023

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