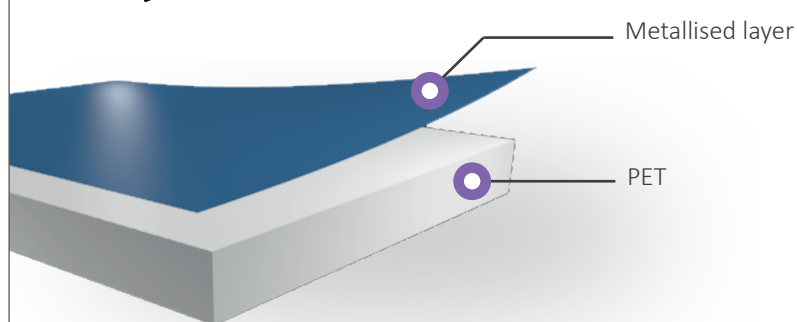


# Claryl® M M-O

## Application

- Flexible packaging requiring barrier properties



## METALLISED PET FILM

## Benefits

- Good aroma barrier
- 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	4.5 μm	6 μm	8 μm	12 μm	19 μm	23 μm	36 μm
YIELD									
Unit Weight		g/m²	6.3	8.4	11.2	16.8	26.6	32.2	50.4
Area Yield		m²/kg	158.7	119	89.3	59.5	37.6	31.1	19.8
MECHANICAL									
Tensile Strength MD	ASTM D 882	daN/mm²	31	25	20	20	18	19	21
Tensile Strength TD			22	22	21	22	20	20	24
Elongation at Break MD	ASTM D 882	%	75	82	110	130	119	125	130
Elongation at Break TD			98	98	104	85	116	125	106
THERMAL									
Shrinkage 150°C 30mn MD	Internal Method	%	2.4	2	1.7	1.5	1.6	1.5	1.4
Shrinkage 150°C 30mn TD			0.6	0.3	0.6	0.3	0.2	0.3	0.3
OPTICAL									
Optical density			1.7	2.0	2.0	2.2	2.2	2.1	2.1
BARRIER									
OTR. 50% HR. 23°C	ASTM F1927	cm³/m² per day	0.9	0.9	0.6	0.6	0.7	0.7	0.7
MVTR. 90% HR. 38°C	ASTM F1249	g/m² per day	3.8	1.4	1.0	1.0	1.0	1.0	1.0
SURFACE									
Metal adhesion / Heat seal test	Internal Method	N/38mm	1	1	1	1	1	1	1

## Regulation

Claryl® M and M-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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