

Metallized films at a glance

Flexible packaging range

Metallyte™
films

OPP FILM TYPE	STRUCTURE				KEY PROPERTIES								MAIN PACKAGING FORMATS			KEY MARKETS				
	Thickness* (µm)	Clear / White	Metal side	Non Metal side	Unit Weight (g / m²)	Yield (m² / kg)	Aroma Barrier	WVTr (g / m² / day)	OTR (cc/m²/day)	Optical Density	Heat Seal Range (°C)	COF	HFFS	VFFS	Single Web	Biscuit & Bakery	Confectionery	Snacks, Nuts, Cereals	HBA, HPC, Pet food	Dry food and Beverage powders
Ultra high barrier																				
MM883	16	Clear	Metal	Treated	14,1	70,9	v	0,1	0,1	2,8	-	-	v	v	-	v	v	v	v	v
MU842	28	White	Metal	Treated	20,7	49,4	v	0,1	0,1	2,5	-	-	v	v	v	v	v	v	v	v
	35	White	Metal	Treated	25,2	39,7	v	0,1	0,1	2,5	-	-	v	v	v	v	v	v	v	v
UBWES	28	White	Metal	Enhanced seal	20,7	48,4	v	0,1	0,1	3,0	65*	-	v	v	-	v	v	v	v	v
High Barrier																				
MM388	15	Clear	Metal	VBSR	13,7	73,3	-	0,3	50	2,3	65*	0,55	v	-	-	v	v	v	v	-
MLB	20	Clear	Metal	VBSR	18,2	54,9	-	0,3	40	2,2	84*	0,40	v	-	-	v	v	v	v	-
	30	Clear	Metal	VBSR	27,3	36,6	-	0,3	40	2,2	84*	0,40	v	-	-	v	v	v	v	-
MM388	18	Clear	Metal	BSR	16,2	61,1	-	0,2	26	2,5	40*	-	v	v	-	-	-	-	v	v
MM488	15	Clear	Metal	BSR	13,7	73,3	-	0,3	50	2,3	40*	0,32	v	v	-	v	v	v	v	-
	18	Clear	Metal	BSR	16,4	61,1	-	0,3	50	2,3	40*	0,40	v	v	v	v	v	v	v	-
MM288	15	Clear	Metal	Treated	13,7	73,2	-	0,1	25	2,8	-	-	v	v	-	v	v	v	v	v
MH388ES	28	White	Metal	Enhanced seal	20,7	48,4	v	0,1	10	3,0	75*	0,35	v	v	-	v	v	v	v	v
QMS	35	White	Metal	Treated	23,5	42,6	-	0,1	10	3,0	-	-	v	-	-	v	v	v	-	-
QCS	35	White	Metal	Treated	23,5	42,6	-	0,2	30	3,0	-	-	v	-	-	v	v	-	-	-
QFM	35	White	Metal	VBSR	23,5	42,6	-	0,2	30	3,0	55**	-	v	-	-	v	v	-	-	-
Decorative																				
MM480	15	Clear	Metal	Standard Sealing Range	13,7	73,3	-	0,8	-	2,1	40*	-	v	v	-	v	v	v	v	-
	18	Clear	Metal	Standard Sealing Range	16,4	61,1	-	0,8	-	2,1	40*	-	v	v	-	v	v	v	v	-
	20	Clear	Metal	Standard Sealing Range	18,2	54,9	-	0,8	-	2,1	40*	-	v	v	-	v	v	v	v	-
	30	Clear	Metal	Standard Sealing Range	26,4	37,9	-	0,8	-	2,1	40*	-	v	v	-	v	v	v	v	-
MM280	30	Clear	Metal	Treated	26,4	37,9	-	0,8	-	2,1	40*	-	v	v	-	v	v	v	-	-
MW480	38	White	Metal	Standard Sealing Range	23,6	42,4	-	0,5	80	2,3	45*	0,40	v	v	-	v	v	v	v	-
MW280	38	White	Metal	Standard Sealing Range	23,6	42,4	-	2,5	-	2,3	-	-	v	-	v	v	v	-	v	-
ICE M	38	White	Metal	Standard Sealing Range	23,6	42,4	-	-	-	2,1	45*	-	v	-	-	-	-	-	-	-

V = typical or recommended use

- = not applicable or not specified

*Thickness is a general product reference and may or may not be the actual finished thickness of the product; see product data sheet.

BSR = Broad Sealing Range

VBSR = Very Broad Sealing Range

*Temperature range to achieve 300 g/25mm seal force when sealed with flat jaws at 25 N/cm² pressure and 0,5 s dwell time

**Temperature range to achieve 1,0 N/15mm seal force when sealed with flat jaws at 10 N/cm² pressure and 0,5 s dwell time

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CLEAR films																			
MM480	15	Metal	Standard Sealing Range	13,7	73,3	-	0,8	-	2,1	40*	-	v	v	-	v	v	v	v	-
	18	Metal	Standard Sealing Range	16,4	61,1	-	0,8	-	2,1	40*	-	v	v	-	v	v	v	v	-
	20	Metal	Standard Sealing Range	18,2	54,9	-	0,8	-	2,1	40*	-	v	v	-	v	v	v	v	-
	30	Metal	Standard Sealing Range	26,4	37,9	-	0,8	-	2,1	40*	-	v	v	-	v	v	v	v	-
MM488	15	Metal	BSR	13,7	73,3	-	0,3	50	2,3	40*	0,32	v	v	-	v	v	v	v	-
	18	Metal	BSR	16,4	61,1	-	0,3	50	2,3	40*	0,40	v	v	v	v	v	v	v	-
MM388	18	Metal	BSR	16,2	61,1	-	0,2	26	2,5	40*	-	v	v	-	-	-	-	v	v
MM398	15	Metal	VBSR	13,7	73,3	-	0,3	50	2,3	65*	0,55	v	-	-	v	v	v	v	-
	20	Metal	VBSR	18,2	54,9	-	0,3	40	2,2	84*	0,40	v	-	-	v	v	v	v	-
MLB	30	Metal	VBSR	27,3	36,6	-	0,3	40	2,2	84*	0,40	v	-	-	v	v	v	v	-
	30	Metal	Treated	26,4	37,9	-	0,8	-	2,1	40*	-	v	v	-	v	v	v	v	-
MM288	15	Metal	Treated	13,7	73,2	-	0,1	25	2,8	-	-	v	v	-	v	v	v	v	v
MM883	16	Metal	Treated	14,1	70,9	v	0,1	0,1	2,8	-	-	v	v	-	v	v	v	v	v
WHITE films																			
ICE M	38	Metal	Standard Sealing Range	23,6	42,4	-	-	-	2,1	45*	-	v	-	-	-	-	-	-	-
MW280	38	Metal	Standard Sealing Range	23,6	42,4	-	2,5	-	2,3	-	-	v	-	v	v	v	-	v	-
MW480	38	Metal	Standard Sealing Range	23,6	42,4	-	0,5	80	2,3	45*	0,40	v	v	-	v	v	v	v	-
QCS	35	Metal	Treated	23,5	42,6	-	0,2	30	3,0	-	-	v	-	-	v	v	-	-	-
QMS	35	Metal	Treated	23,5	42,6	-	0,1	10	3,0	-	-	v	-	-	v	v	v	v	-
QFM	35	Metal	VBSR	23,5	42,6	-	0,2	30	3,0	55**	-	v	-	-	v	v	-	-	-
MH388ES	28	Metal	Enhanced seal	20,7	48,4	v	0,1	10	3,0	75*	0,35	v	v	-	v	v	v	v	v
UBWES	28	Metal	Enhanced seal	20,7	48,4	v	0,1	0,1	3,0	65*	-	v	v	-	v	v	v	v	v
MU842	28	Metal	Treated	20,7	49,4	v	0,1	0,1	2,5	-	-	v	v	v	v	v	v	v	v
	35	Metal	Treated	25,2	39,7	v	0,1	0,1	2,5	-	-	v	v	v	v	v	v	v	v

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**Temperature range to achieve 1,0 N/15mm seal force when sealed with flat jaws at 10 N/cm² pressure and 0,5 s dwell time

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