

Films at a glance

Flexible packaging range

| FILM TYPE | THICKNESS ^x | UNIT WEIGHT | YIELD | H ₂ O PERMEABILITY / WVTR | O ₂ PERMEABILITY / OTR | HEAT SEAL RANGE |
|----------------------------------|------------------------|------------------|--------------------|--|--|--------------------------------|
| | Micron (µm) | g/m ² | m ² /kg | 38°C/90% RH g/m ² /24hrs | 23°C/0% RH cc/m ² /24hrs | °C |
| Bicor™ clear coated films | | | | | | |
| MB600 | 26 | 23,7 | 42,3 | 5,0 | 850 | 55* |
| | 32 | 29,1 | 34,4 | 4,2 | 750 | 55* |
| MB621 | 21 | 19,1 | 52,4 | 7,0 | - | 55* |
| MB666 | 20 | 18,2 | 55,0 | 7,0 | 1000 | 55* |
| | 25 | 22,7 | 44,0 | 5,0 | 850 | 55* |
| | 31 | 28,2 | 35,5 | 4,5 | 750 | 55* |
| | 35 | 31,8 | 31,4 | 4,0 | 650 | 55* |
| | 41 | 37,3 | 26,8 | 3,5 | 600 | 55* |
| CLH | 20 | 18,3 | 54,9 | 6,8 | 1300 | 45* |
| | 40 | 37,6 | 27,5 | 3,5 | 1300 | 55* |
| | 50 | 47,4 | 21,1 | 3,0 | 1000 | 55* |
| MB602 | 19 | 17,2 | 58,1 | 7,0 | 1000 | 55* |
| ICT | 25 | 22,6 | 44,2 | 5,0 | - | 65* |
| | 30 | 27,2 | 36,8 | 4,5 | - | 65* |
| MB777 | 21 | 20,4 | 48,9 | 5,0 | 20 | 55 (Ac) ; 50 (PVdC)* |
| | 26 | 25,0 | 40,0 | 4,2 | 20 | 55 (Ac) ; 50 (PVdC)* |
| | 32 | 30,4 | 32,8 | 3,8 | 20 | 55 (Ac) ; 50 (PVdC)* |
| | 42 | 39,5 | 25,3 | 2,9 | 20 | 55 (Ac) ; 50 (PVdC)* |
| MB668 | 20 | 18,1 | 55,3 | 7,0 | 1000 | 80* |
| | 25 | 22,6 | 44,2 | 5,0 | 850 | 80* |
| | 31 | 28,1 | 35,6 | 4,5 | 750 | 80* |
| MBX768 | 26 | 24,0 | 41,7 | 3,0 | 20 | 75* |
| | 32 | 29,4 | 34,0 | 3,0 | 20 | 75* |
| MBH668 | 25 | 24,4 | 41,0 | 2,8 | 850 | 80* |
| MBH568 | 25 | 22,0 | 45,4 | 3,1 | 15 | 80* |
| | 30 | 27,5 | 36,4 | 2,7 | 15 | 80* |
| MB866 | 20 | 18,0 | 55,5 | 5,0 | 0,5 | 55 (Ac) ; - (PVOH)* |
| MB890 | 16 | 14,1 | 71,2 | 5,0 | 0,5 | 40* |
| COS | 32 | 29,4 | 34,0 | - | - | 50 (PVdC) ; 55 (Ac)* |
| | 42 | 38,6 | 25,9 | - | - | 50 (PVdC) ; 55 (Ac)* |
| Bicor™ coextruded films | | | | | | |
| MB400 | 15 | 13,7 | 73,3 | 7,7 | - | 40 (Untreated)* |
| | 17 | 15,5 | 64,6 | 7,7 | - | 40 (Untreated)* |
| | 20 | 18,2 | 54,9 | 7,0 | - | 40 (Untreated)* |
| | 25 | 22,8 | 44,0 | 5,0 | - | 35 (Treated) / 40 (Untreated)* |
| | 30 | 27,3 | 36,6 | 4,5 | - | 35 (Treated) / 40 (Untreated)* |
| | 35 | 31,9 | 31,4 | 4,0 | - | 35 (Treated) / 40 (Untreated)* |
| | 40 | 36,4 | 27,5 | 3,5 | - | 35 (Treated) / 40 (Untreated)* |
| GEA | 25 | 22,8 | 44,0 | 5,5 | - | 20* |
| HNA | 25 | 22,8 | 44,0 | 5,5 | - | 60* |
| | 30 | 27,3 | 36,6 | 4,6 | - | 60* |
| HND | 20 | 18,2 | 54,9 | 6,8 | - | 60* |
| | 25 | 22,8 | 44,0 | 5,5 | - | 60* |
| | 30 | 27,3 | 36,6 | 4,6 | - | 60* |
| HLD | 20 | 18,2 | 54,9 | 6,8 | - | 70* |
| | 25 | 22,8 | 44,0 | 5,5 | - | 70* |
| | 30 | 27,3 | 36,6 | 4,6 | - | 70* |
| MB090 | 18 | 16,4 | 61,1 | 7,5 | - | 40* |
| CSRH | 18 | 16,4 | 61,0 | 4,5 | - | - |
| | 25 | 22,9 | 43,7 | 5,0 | - | - |
| NNA | 20 | 18,2 | 54,9 | 6,8 | - | - |
| NND | 12 | 10,9 | 91,6 | 8,2 | - | - |
| | 20 | 18,2 | 54,9 | 6,8 | - | - |
| | 25 | 22,8 | 44,0 | 5,5 | - | - |
| NNH | 20 | 10,9 | 91,7 | 6,8 | - | - |
| MB100 | 12 | 18,2 | 54,9 | 6,8 | - | - |
| MR100 | 25 | 22,7 | 44,0 | 6,8 | - | - |
| MR103 | 25 | 22,7 | 44,0 | - | - | - |
| MB344US | 40 | 36,4 | 27,5 | 4,0 | - | 55** |
| | 50 | 45,5 | 22,0 | 4,0 | - | 55** |

- = not applicable or not specified

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

* 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 1.000 g/25 mm seal force when sealed with flat jaws at 25 N/cm² pressure and 0,5 s dwell time.

*** Temperature range to achieve 750 g/25 mm seal force when sealed with flat jaws at 25 N/cm² pressure and 0,5 s dwell time.

| Film type | Thickness | Unit Weight | Yield | H ₂ O Permeability / WVTR | O ₂ Permeability / OTR | Heat Seal Range |
|--|-------------|------------------|--------------------|--|--|----------------------|
| | Micron (µm) | g/m ² | m ² /kg | 38°C/90% RH g/m ² /24hrs | 23°C/0% RH cc/m ² /24hrs | °C |
| OPPalyte™ white opaque coated films | | | | | | |
| MW647 | 35 | 22,5 | 44,4 | 6,1 | 900 | 55* |
| | 40 | 25,6 | 39,0 | 5,2 | 800 | 55* |
| | 45 | 28,7 | 34,9 | 4,1 | 700 | 55* |
| MH647 | 42 | 31,1 | 32,1 | 4,0 | 750 | 55* |
| M0747 | 36 | 24,8 | 40,4 | 4,8 | 20 | 55 (Ac) ; 50 (PVdC)* |
| | 50 | 33,4 | 29,9 | 3,4 | 20 | 55 (Ac) ; 50 (PVdC)* |
| MW747 | 31 | 21,7 | 46,2 | 5,2 | 20 | 55 (Ac) ; 50 (PVdC)* |
| MW648 | 30 | 19,3 | 51,9 | 7,0 | 1000 | 80* |
| | 40 | 25,5 | 39,2 | 5,2 | 800 | 80* |
| MH648 | 42 | 31,0 | 32,2 | 4,0 | 750 | 80* |
| | 52 | 38,5 | 26,0 | 3,0 | 650 | 80* |
| OPPalyte™ white opaque uncoated films | | | | | | |
| ICE | 33 | 20,5 | 48,8 | 5,9 | - | 45* |
| | 38 | 23,6 | 42,4 | 5,0 | - | 45* |
| D0447 | 38 | 20,5 | 48,8 | 5,4 | - | 45* |
| MW247 | 33 | 20,5 | 48,8 | 6,1 | - | - |
| | 38 | 23,6 | 42,4 | 5,2 | - | - |
| | 47 | 29,1 | 34,4 | 4,1 | - | - |
| MH247 | 35 | 25,4 | 39,4 | 4,9 | - | - |
| | 40 | 29,0 | 34,4 | 4,2 | - | - |
| | 50 | 36,3 | 27,5 | 3,0 | - | - |
| MH347 | 28 | 20,3 | 49,3 | 5,9 | - | 60* |
| | 35 | 25,4 | 39,4 | 4,9 | - | 60* |
| | 40 | 29,0 | 34,5 | 4,2 | - | 60* |
| Metallyte™ films | | | | | | |
| MM480 | 15 | 13,7 | 73,3 | 0,6 | - | 30* |
| | 18 | 16,4 | 61,1 | 0,6 | - | 30* |
| | 20 | 18,2 | 54,9 | 0,6 | - | 30* |
| | 30 | 26,4 | 37,9 | 0,6 | - | 30* |
| MM488 | 12 | 10,9 | 91,6 | 0,3 | 50 | 40* |
| | 18 | 13,7 | 73,3 | 0,3 | 50 | 40* |
| | 18 | 16,4 | 61,1 | 0,3 | 50 | 40* |
| MM388 | 18 | 16,2 | 61,1 | 0,2 | 26 | 40* |
| MM398 | 15 | 13,7 | 73,3 | 0,3 | 50 | 65* |
| MLB | 20 | 18,2 | 54,9 | 0,25 | 40 | 84* |
| | 30 | 27,3 | 36,6 | 0,25 | 40 | 84* |
| MM288 | 15 | 13,7 | 73,2 | 0,1 | 25 | - |
| ICE M | 38 | 23,6 | 42,4 | 0,5 | - | 45* |
| MW280 | 38 | 23,6 | 42,4 | 3,0 | - | - |
| MW480 | 38 | 23,6 | 42,4 | 0,5 | 80 | 30* |
| MH0280 | 35 | 25,4 | 39,4 | 1,5 | - | - |
| QFM | 35 | 23,5 | 42,6 | 0,2 | 30 | 80* |
| Metallyte™ ultra-high barrier films | | | | | | |
| UBWES | 28 | 20,7 | 48,4 | 0,1 | 0,1 | 80*** |
| MU842 | 28 | 20,7 | 49,4 | 0,1 | 0,1 | - |
| | 35 | 25,2 | 39,7 | 0,1 | 0,1 | - |
| MM883 | 16 | 14,1 | 71,2 | 0,1 | 0,1 | - |
| MML883 | 18 | 16,4 | 61 | 0,1 | 0,1 | - |
| Alox-Lyte™ films | | | | | | |
| A0893 | 16 | 14,1 | 71,2 | 0,7 | 0,5 | - |
| A0894 | 16 | 14,1 | 71,2 | 0,7 | 0,5 | 40* |
| A0L893 | 18 | 16,4 | 61 | 1,5 | 1,5 | - |

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** Temperature range to achieve 1.000 g/25 mm seal force when sealed with flat jaws at 25 N/cm² pressure and 0,5 s dwell time.

*** Temperature range to achieve 750 g/25 mm seal force when sealed with flat jaws at 25 N/cm² pressure and 0,5 s dwell time.

| Film type | Thickness | Unit Weight | Yield | H ₂ O Permeability / WVTR | O ₂ Permeability / OTR | Heat Seal Range |
|-------------------------|-------------|------------------|--------------------|--|--|-----------------|
| | Micron (µm) | g/m ² | m ² /kg | 38°C/90% RH g/m ² /24hrs | 23°C/0% RH cc/m ² /24hrs | °C |
| Ethy-Lyte™ films | | | | | | |
| HD200 | 20 | 18,7 | 52,6 | 6 | - | - |
| | 25 | 22,7 | 42,1 | 5 | - | - |
| HD213 | 25 | 22,7 | 43,3 | 5 | - | - |
| HD240 | 25 | 22,7 | 42,3 | 5 | - | 90* |
| HD235 | 25 | 22,7 | 43,3 | - | - | 90* |
| HD800 | 25 | 23,4 | 42,3 | 5 | 1 | - |
| HD813 | 25 | 23,4 | 42,7 | 5 | 1 | - |
| HDM880 | 25 | 23,4 | 42,3 | 0,2 | 1 | - |
| HDM280 | 25 | 22,8 | 43,3 | 0,3 | - | - |

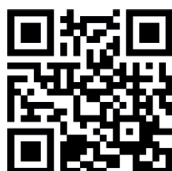
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** Temperature range to achieve 1.000 g/25 mm seal force when sealed with flat jaws at 25 N/cm² pressure and 0,5 s dwell time.

*** Temperature range to achieve 750 g/25 mm seal force when sealed with flat jaws at 25 N/cm² pressure and 0,5 s dwell time.



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