

THE STANDARD CLARIFOIL RANGE

Nominal gauge (microns)	Grade	Nominal Yield g/m ²	Nominal single roll length in metres	
			<i>Matt</i>	<i>Clear</i>
14	P20	18.3		3,600
14	P20 Satiné	18.3	3,000 semi-matt	
15	P20 Semitone	19.9	2,500 semi-matt	
20	P20	26.2	2250	
24	P20	31.4		2,100
30	P20	39.3		1,670
35	P20	45.9		1,500
36	M28	46.8	1,335	
40	P20	52.4	1,250	1,250
50	P20	65.5	1,000	1,000
70	P20	91.7	675	
75	P20	98.3		675
95	P20	124.5		530
115	P27	149.5		435
150	P27	195.0		335
180	P27	234.0		280
250	P27	325.0		200
360	P27	468.0		140
500	P27	650.0		105

CLEAR FILM Nominal Thickness microns	Production Widths	Typical Roll Weights (kg)
14 - 50	1270 – 1370 mm	75 - 90 kg
75 - 250	1290 – 1350 mm	75 - 90 kg
360 - 500	1270 – 1300 mm	75 - 90 kg
MATT ONE SIDE		
20 - 70	1270 – 1280 mm	79 - 87 kg

COLOURED FILM			Typical Roll Weights (kg)
80 red/green/blue	P20	1350 mm	75 - 84

A wide range of coloured films and finishes are now available in thin films for the print lamination market, see the data sheet Clarifoil Lamination Range. Further films are available for specific applications, including flame retardant, UV absorbent optical films and films for security applications.

Additionally, other non-standard gauges and colours may be produced, subject to minimum order quantities. Please contact Clarifoil Sales for details.

IMPORTANT: When ordering, please specify P20 or P27 for food contact end-uses.

Commercial Tolerances:	Gauge	± 5%
	Roll length	± 5% 14µ - 115µ
	Roll length	± 10% 150µ - 500µ
	Roll width	± 1.0 mm
	Yield	± 5%

Slit reels

Clarifoil production rolls can be supplied slit into reels to customers' requirements, subject to surcharge. The slit widths available vary according to size of reel.

Widths	Less than 250 mm	Tolerance	± 0.5 mm
Widths	250 mm and greater	Tolerance	± 1.0 mm

Narrow reels for UK/European window patching customers are generally supplied as 13"/330 mm OD rolls (3" cores), where the roll lengths are 1.5x standard single lengths.

Finish

Clarifoil can be supplied in clear, matt, or semi-matt finishes. The matt film is matt one side only, with the standard gloss finish on the other. *Semitone™* and *Satiné* are semi matt films designed primarily for the print lamination market.

Colours

CF315 green, CF328 red, CF329 blue in 80 micron pol/pol are produced for use in 3D spectacle lenses.

A wide range of new coloured films has been introduced for print lamination - see The Clarifoil Lamination Range data sheet.

Manufacture of other colours is dependent on a suitable minimum order requirement. Details will be supplied against specific enquiries.

Packing, Storage and Shelf Life



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Rolls

All rolls of Clarifoil are over-wrapped with polyethylene film to ensure they reach the customer in factory fresh condition. Rolls of thin film are suspended in cardboard cartons. They are best unpacked by opening the flaps which run the length of the carton, folding these right back and rolling the carton over so that the open side is downwards. The carton can then be lifted off the roll which will still be supported by the suspension units.

Storage

Decades of reliable performance have demonstrated that Clarifoil cellulose diacetate film can be used in its many applications with the confidence that the product provides a consistently high level of quality. However, cellulose diacetate, like all polymers, must be stored appropriately to preserve its performance. Close adherence to the following conditions will maintain Clarifoil rolls in the best possible state.

- Keep all rolls in their moisture-proof wrapping until required for processing. Re-wrap partially used and slit rolls.
- Suspend the rolls on racks by rods through the cores.
- Avoid "walking" rolls in cartons on one end as the edges will become damaged. This is very important for rolls of thin film (14 - 30 μ).
- Avoid wide variations in temperature and humidity in the storeroom. Temperatures between 15°C - 23°C (59°F - 73°F) and a relative humidity between 40% - 65% are the best conditions.
- Avoid exposure to ketone and ester solvent vapours such as acetone or ethyl acetate.
- Do not store in bright sunlight.
- Under ideal storage conditions, Clarifoil films provide a good shelf life. However, in many commercial situations, storage conditions are not optimal and customers should look to convert film stocks promptly.

Shelf Life

We recommend that customers process Clarifoil within twelve months of its receipt. Particularly for hot and/or humid climates, it may be advisable to convert Clarifoil within six or even three months of receipt. Some films will need to be processed in shorter periods to avoid problems. In particular, thicker films over 100 μ may suffer unidirectional curl ("roll set") if converted to sheet stock after even a few months storage as rolls. For applications where this might be critical, thicker films should be sheeted as soon as possible after receipt.

In case of problems after such periods, Clarifoil reserves the right not to offer compensation in respect of problems arising with film quality.

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