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Delivering state-of-the-art optical performance.

High purity PC and PC/PMMA films – for coating applications. And beyond.

Makrofol® OF



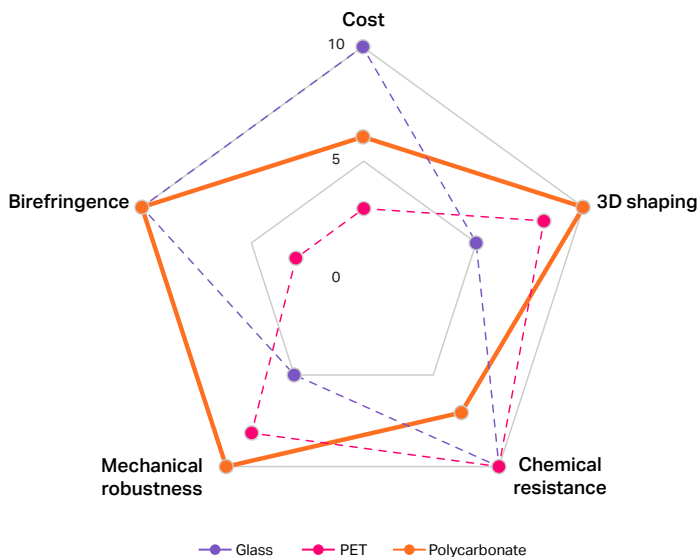
Optical quality is here.

The digital transformation in many industries is accelerating, and with it, the need for polymeric materials with state-of-the-art properties is growing. The new optical grade **Makrofol® OF** polycarbonate (PC) and coextruded PC/PMMA films by Covestro are the right answer for anyone looking for low inclusions, low chatter marks, and high gloss polymeric films with excellent processing properties – now available in converted sheet and roll formats.

Makrofol® OF grades are suitable for use in coated films, providing high quality substrates. The films can also be used in 2D and 3D shaped display cover lenses, e.g., via film insert molding (FIM). **Makrofol® OF** offers the benefits of polycarbonate: high impact toughness and high light transmittance, as well as good dimensional stability, creep resistance, and processability over a wide temperature range.

Whether in automotive, consumer electronics, or smart home applications, **Makrofol® OF** is the right choice for your applications.

Property Profile Comparison



Cost: 1 = excellent, 10 = unsatisfactory

Other properties: 1 = unsatisfactory, 10 = excellent



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Inclusions	Low	
	PC films	PC/PMMA films
	OF920 1-1 064001	OF934 1-1 044101
	DE248 1-1 000000	
Standard	DE 1-1 000000	SR906 1-1 040009



Property [Method]	Makrofol® OF920 1-1 (PC)	Makrofol® OF934 1-1 (PC/PMMA)
Total thickness [ISO4593]	250, 375, 500 µm	
Thickness tolerance	± 7.5%	
Roughness [ISO 4287/4288]	< 0.5 µm	
% LT [ISO 13468-2]	≥ 86%	
% Haze [ISO 13468-2]	≤ 1%	
Thermal shrinkage [IEC 60674-2]	≤ 0.3%	
Gloss [ISO 2813]	PC ≥ 99 GU	PC ≥ 99 GU PMMA ≥ 85 GU

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