



© chesky - stock.adobe.com

**2D hard-coated polycarbonate films:  
High performance films for display cover  
and decorative applications.**

**Makrofol® HS**



Select your application

Curbell Plastics is a proud supplier of Covestro materials



2D decorative trim

Makrofol® HS337  
automotive & non-automotive

HUD cover lens

Makrofol® HS340  
single side hard coated (HC)

Makrofol® HS345 dual side hard coated

Makrofol® HS347  
HC + backside anti reflective



2D display cover

Makrofol® HS340  
automotive & non-automotive



Typical parameters

Film thickness	Pencil hardness	Surface energy	Gloss	Masking
180 / 255 / 380 µm (details upon request)	HC side: HB	HC side: 23 ± 2 mN/m	HC side (60°): ≥ 100	PE/PP both sides

Key features

Robust and durable hard coat	High quality PC base film	Printable on hard coat and PC side*	Tailored masking for optimal handling
------------------------------	---------------------------	--	--

\* suitable ink system(s) and processing conditions required.

Offerings

MATERIAL PERFORMANCE Highlights of selected products:	TECHNICAL SUPPORT We offer expertise in:	FIT FOR AUTOMOTIVE On demand:
<ul style="list-style-type: none"> <li>Controlled birefringence</li> <li>Transmission &gt; 94 % (AR)</li> <li>Weatherability (DIN75220 pass)</li> <li>Cream / DEET / media resistance</li> </ul>	<ul style="list-style-type: none"> <li>Printing &amp; drying</li> <li>Cutting &amp; punching</li> <li>UV and thermal curing</li> <li>Film insert molding</li> </ul>	<ul style="list-style-type: none"> <li>GADSL conformity</li> <li>Certified test results (by e.g. SGS Fresenius, KIMW)</li> <li>Designed to fit the demands of major OEMs</li> </ul>

FOR FURTHER INFORMATION, CONTACT US: [films@covestro.com](mailto:films@covestro.com)



Covestro Deutschland AG  
Specialty Films – Coated Films  
Coated Films  
D-51373 Leverkusen  
Germany

[solutions.covestro.com](http://solutions.covestro.com)  
[films.covestro.com](http://films.covestro.com)  
[films@covestro.com](mailto:films@covestro.com)

The manner in which you use our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products to determine suitability for your processing and intended uses. Your analysis must at least include testing to determine suitability from a technical, health, safety, and environmental and regulatory standpoint. Such testing has not necessarily been done by Covestro, and Covestro has not obtained any approvals or licenses for a particular use or application of the product, unless explicitly stated otherwise. If the intended use of the product is for the manufacture of a pharmaceutical/medicinal product, medical device1 or of pre-cursor products for medical devices or for other specifically regulated applications which leads or may lead to a regulatory obligation of Covestro, Covestro must explicitly agree to such application before the sale. Any samples provided by Covestro are for testing purposes only and not for commercial use. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information, including technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed by you that you assume and hereby expressly release and indemnify us and hold us harmless from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent. These values are typical values only. Unless explicitly agreed in written form, the do not constitute a binding material specification or warranted values. Values may be affected by the design of the mold/die, the processing conditions and coloring/pigmentation of the product. Unless specified to the contrary, the property values given have been established on standardized test specimens at room temperature.1) Please see the "Guidance on Use of Covestro Products in a Medical Application" document.