



Makrofol® Bayfol®

Film Selector Guide
for Mobility



MAKROFOL® & BAYFOL® Films Thickness Guide

Grade	1st Surface	2nd Surface	2 mil 50 µm	3 mil 75 µm	5 mil 125 µm	7 mil 175 µm	10 mil 250 µm	12 mil 300 µm	15 mil 375 µm	20 mil 500 µm	25 mil 635 µm	30 mil 750 µm	40 mil 1000 µm
GRAPHIC FILMS													
Makrofol® DE 1-1 000000	gloss	gloss			○	○	○	○	○	○	○	○	○
Automotive, labels, nameplates, packaging													
Makrofol® DE 1-4 000000	gloss	fine matte		○	○	○	○	○	○	○	○	○	
Automotive, labels, nameplates													
Makrofol® DE 6-2 000000	fine velvet	very fine matte	○	○	○	○	○	○	○	○	○	○	
Automotive, labels, nameplates, packaging													
Makrofol® DE 7-2 000000	velvet	very fine matte			○	○	○	○	○	○	○	○	
Automotive, labels, nameplates, packaging													
Makrofol® BL 2-4 820816	very fine matte	fine matte					○	○	○				
Automotive, mobility, optimized for die cutting													
Makrofol® FR 7-2 000000	velvet	very fine matte					○		○	○			
Spacers, trade show displays, UL 94 V-0 at 10 mil													
Bayfol® CR 1-4 000000	gloss	fine matte			○	○	○		○				
Automotive, labels, membrane switch, nameplates, telecom, hand held devices													
Bayfol® CR 6-2 000000	fine velvet	very fine matte			○	○	○	○	○				
Automotive, labels, membrane switch, nameplates, telecom, hand held devices													
Bayfol® CR210 1-1 000000	gloss	gloss					○	○	○	○			
Automotive, labels, nameplates													
Bayfol® CR210 1-4 000000	gloss	fine matte					○	○	○	○			
Automotive, labels, nameplates													
LIGHT MANAGEMENT FILMS													
Makrofol® LM228 2-4 160005	very fine matte	fine matte							○		○		
LED and light diffuser													
Makrofol® LM296 1-2 760125	gloss	very fine matte								○			
Automotive, TFT displays													
Makrofol® LM296 1-2 760135	gloss	very fine matte								○			
Automotive, TFT displays													
Makrofol® LM296 1-2 760150	gloss	very fine matte								○			
Automotive, TFT displays													
Makrofol® LM296 1-2 760165	gloss	very fine matte							○				
Automotive, TFT displays													
Makrofol® LM296 1-2 760250	gloss	very fine matte										○	
Automotive, TFT displays													
Makrofol® LM296 1-2 760275	gloss	very fine matte								○			
Automotive, TFT displays													
Makrofol® LM296 1-2 760350	gloss	very fine matte							○				
Automotive, TFT displays													
Makrofol® LM296 1-2 760450	gloss	very fine matte								○			
Automotive, TFT displays													
Makrofol® LM309 2-4 160004	very fine matte	fine matte						○		○			
LED and light diffuser													
Makrofol® LM322 2-4 160006	very fine matte	fine matte						○					
LED and light diffuser													
Makrofol® LM903 1-4 160008	gloss	fine matte						○		○			
LED boards, reflectors													
Makrofol® LM905 2-4 160009	very fine matte	fine matte						○					
LED and light diffuser													
Makrofol® UV503 6-2 060004	fine velvet	very fine matte					○	○	○	○			
Diffuser for automotive lighting requiring AMECA materials													
SCRATCH RESISTANT FILMS													
Makrofol® SR906 1-1 040009	gloss	gloss				○	○		○	○	○		
Automotive, appliance, labels, nameplates													
Makrofol® HF312 G-4 021021	gloss	fine matte				○	○		○				
3D geometries in automotive, appliance, telecom, hand held devices													
Makrofol® HF312 G-1 021021	gloss	gloss				○	○		○				
3D geometries in automotive, appliance, telecom, hand held devices													
Makrofol® HS337 G-1 020010	gloss	gloss				○	○		○				
Automotive, appliance, telecom, hand held devices													
Makrofol® HS340 G-1 020010	gloss	gloss							○				
2D HUD and display covers, single side coated													
Makrofol® HS345 G-G 020010	gloss	gloss							○				
2D HUD and display covers, two side coated													

Additional custom colors, textures, and gauges may be available upon request. Not all products available through distribution outlets.

MAKROFOL® & BAYFOL® Films Selection Guide

Grade	1st Surface	2nd Surface	Color	Descriptions
GRAPHIC FILMS				
Makrofol® DE 1-1 000000	gloss	gloss	colorless transparent	Standard grade of polycarbonate film, masking provided on both sides
Makrofol® DE 1-4 000000	gloss	fine matte	colorless	Low stress, no masking required on matte side
Makrofol® DE 6-2 000000	fine velvet	very fine matte	colorless	Printable fine velvet surface
Makrofol® DE 7-2 000000	velvet	very fine matte	colorless	Minimize pinholing with very fine matte vs. matte
Makrofol® BL 2-4 820816	very fine matte	fine matte	natural	Optimized for die cutting
Makrofol® FR 7-2 000000	velvet	very fine matte	colorless	Flame retardant, UL 94 V-0 at 10 mil, brominated
Bayfol® CR 1-4 000000	gloss	fine matte	colorless	PC/PBT blend, high actuation life, better chemical than DE
Bayfol® CR 6-2 000000	fine velvet	very fine matte	colorless	PC/PBT blend, high actuation life, better chemical than DE
Bayfol® CR210 1-1 000000	gloss	gloss	colorless transparent	PC/CoPolyester blend, unique for pressure forming
Bayfol® CR210 1-4 000000	gloss	fine matte	colorless	PC/CoPolyester blend, unique for pressure forming
LIGHT MANAGEMENT FILMS				
Makrofol® LM228 2-4 160005	very fine matte	fine matte	translucent white	Diffuser
Makrofol® LM296 1-2 760125	gloss	very fine matte	grey	Black panel, 25 % Light Transmission
Makrofol® LM296 1-2 760135	gloss	very fine matte	grey	Black panel, 35 % Light Transmission
Makrofol® LM296 1-2 760150	gloss	very fine matte	grey	Black panel, 50 % Light Transmission
Makrofol® LM296 1-2 760165	gloss	very fine matte	grey	Black panel, 65 % Light Transmission
Makrofol® LM296 1-2 760250	gloss	very fine matte	grey	Black panel, 50 % Light Transmission
Makrofol® LM296 1-2 760275	gloss	very fine matte	grey	Black panel, 75 % Light Transmission
Makrofol® LM296 1-2 760350	gloss	very fine matte	grey	Black panel, 50 % Light Transmission
Makrofol® LM296 1-2 760450	gloss	very fine matte	grey	Black panel, 50 % Light Transmission
Makrofol® LM309 2-4 160004	very fine matte	fine matte	translucent white	Diffuser
Makrofol® LM322 2-4 160006	very fine matte	fine matte	translucent white	Diffuser
Makrofol® LM903 1-4 160008	gloss	fine matte	reflective white	≥95% reflective white
Makrofol® LM905 2-4 160009	very fine matte	fine matte	translucent white	Diffuser
Makrofol® UV503 6-2 060004	fine velvet	very fine matte	colorless	Translucent
SCRATCH RESISTANT FILMS				
Makrofol® SR906 1-1 040009	gloss	gloss	colorless transparent	Acrylic capped Polycarbonate with UV resistance also available as 7-2
Makrofol® HF312 G-4 021021	gloss	fine matte	colorless	3D formable hard coat
Makrofol® HF312 G-1 021021	gloss	gloss	colorless transparent	3D formable hard coat
Makrofol® HS337 G-1 020010	gloss	gloss	colorless transparent	2D non-formable hard coat, 1-side coated, also available on roll
Makrofol® HS340 G-1 020010	gloss	gloss	colorless transparent	2D non-formable hard coat, 1-side coated, for HUD & Display
Makrofol® HS345 G-G 020010	gloss	gloss	colorless transparent	2D non-formable hard coat, 2-side coated, for HUD & Display





Covestro Deutschland AG
Specialty Films
EMEA/LATAM
41538 Dormagen,
Germany

films.covestro.com
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. 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 and 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 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, they do not constitute a binding material specification or warranted values.

Edition: 2020. Printed in Germany