



Makrofol® Bayfol®

Film Selector Guide



Makrofol® & Bayfol® Films Thickness Guide

Grade	1st Surface	2nd Surface	Color	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	clear	○	○	○		○	○		○	
Automotive, labels, nameplates, packaging												
Makrofol® DE 1-4 000000	gloss	fine matte	clear	○	○	○		○	○		○	
Automotive, labels, nameplates												
Makrofol® DE 1-4 020204	gloss	fine matte	opaque white	○		○		○	○		○	
Opaque white												
Makrofol® DE 1-4 020209	gloss	fine matte	translucent white			○		○	○			
Trade show displays, point of purchase graphics, menu boards												
Makrofol® DE 6-2 000000	fine velvet	very fine matte	clear	○	○	○		○	○	○	○	
Automotive, labels, nameplates, packaging												
Makrofol® DE 7-2 000000	velvet	very fine matte	clear	○	○	○		○	○	○	○	
Automotive, labels, nameplates, packaging												
Makrofol® DE 7-2 960004	velvet	very fine matte	black			○		○	○	○	○	○
Trade show displays, spacers												
Makrofol® BL 2-4 820816	very fine matte	fine matte	natural			○	○	○				
Automotive, mobility, optimized for die cutting												
Makrofol® PC VE 000000	velvet	gloss	clear	○	○	○		○	○			
Labels, nameplates, trade show displays, overlaminates												
Makrofol® FR 7-2 000000	velvet	very fine matte	clear			○		○	○			
Spacers, trade show displays, UL 94 V-0 at 10 mil												
Bayfol® CR 1-4 000000	gloss	fine matte	clear	○	○	○		○				
Automotive, labels, membrane switch, nameplates, telecom, hand held devices												
Bayfol® CR 6-2 000000	fine velvet	very fine matte	clear	○	○	○						
Automotive, labels, membrane switch, nameplates, telecom, hand held devices												
Bayfol® CR210 1-1 000000	gloss	gloss	clear			○		○	○			
Automotive, labels, nameplates												
Bayfol® CR210 1-4 000000	gloss	fine matte	clear			○		○	○			
Automotive, labels, nameplates												
Bayfol® UV506 7-2 030002	velvet	very fine matte	clear					○	○	○	○	
UV resistant laminate, exterior nameplates												
LIGHT MANAGEMENT FILMS												
Makrofol® LM228 2-4 160005	very fine matte	fine matte	natural				○		○			
LED and light diffuser												
Makrofol® LM243 2-4 160020	very fine matte	fine matte	natural				○		○			
LED and light diffuser												
Makrofol® LM296 1-2 760125	gloss	very fine matte	neutral density						○			
Automotive, TFT displays												
Makrofol® LM296 1-2 760225	gloss	very fine matte	neutral density								○	
Automotive, TFT displays												
Makrofol® LM309 2-4 160004	very fine matte	fine matte	natural				○		○			
LED and light diffuser												
Makrofol® LM322 2-4 160006	very fine matte	fine matte	natural				○					
LED and light diffuser												
Makrofol® LM903 1-4 160008	gloss	fine matte	reflective white				○		○			
LED boards, reflectors												
Makrofol® LM905 2-4 160009	very fine matte	fine matte	natural				○					
LED and light diffuser												
Makrofol® UV503 9-2 060004	rough velvet	very fine matte	clear			○			○		○	
Diffuser for automotive lighting requiring AMECA materials												
SCRATCH RESISTANT FILMS												
Makrofol® SR906 1-1 040009	gloss	gloss	clear		○	○		○	○	○		
Automotive, appliance, labels, nameplates												
Makrofol® HF312 G-4 021021	gloss	fine matte	clear		○	○		○				
Automotive, appliance, telecom, hand held devices												
Makrofol® HS 337 G-1 020010	gloss	gloss	clear		○	○		○				
Automotive, appliance, telecom, hand held devices												
MEDICAL FILMS												
Makrofol® MA507 1-1 060004	gloss	gloss	clear					○	○		○	○
Medical packaging												
Bayfol® MA504 1-M 530002	gloss	matte	clear/blue tint								○	○
Medical packaging												

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	SABIC (Lexan®)	Comments
GRAPHIC FILMS				
Makrofol® DE 1-1 000000	gloss	gloss	8010, 8020	8010 (GP), 8020 (colors)
Makrofol® DE 1-4 000000	gloss	fine matte	8A13, 8A35F	Low stress, no masking required
Makrofol® DE 1-4 020204	gloss	fine matte	8B28	Opaque white
Makrofol® DE 1-4 020209	gloss	fine matte	8A23	Translucent white
Makrofol® DE 6-2 000000	fine velvet	very fine matte	8B35E, 8B38	Printable fine velvet surface
Makrofol® DE 7-2 000000	velvet	very fine matte	8B35F, 8B35	Minimize pinholing with very fine matte vs. matte
Makrofol® DE 7-2 960004	velvet	very fine matte		Black
Makrofol® BL 2-4 820816	very fine matte	fine matte	8A73	Optimized for die cutting
Makrofol® PC VE 000000	velvet	gloss	8A35	High color retention, smooth 2nd surface for laminates
Makrofol® FR 7-2 000000	velvet	very fine matte	FR 65	Flame retardant, UL 94 V-0 at 10 mil, brominated
Bayfol® CR 1-4 000000	gloss	fine matte		PC/PBT blend, high actuation life, better chemical than DE
Bayfol® CR 6-2 000000	fine velvet	very fine matte		PC/PBT blend, high actuation life, better chemical than DE
Bayfol® CR210 1-1 000000	gloss	gloss		PC/CoPolyester blend, unique for pressure forming
Bayfol® CR210 1-4 000000	gloss	fine matte		PC/CoPolyester blend, unique for pressure forming
Bayfol® UV506 7-2 030002	velvet	very fine matte		UV resistant laminate, formable, exterior nameplates
LIGHT MANAGEMENT FILMS				
Makrofol® LM228 2-4 160005	very fine matte	fine matte		Diffuser
Makrofol® LM243 2-4 160020	very fine matte	fine matte		Diffuser
Makrofol® LM296 1-2 760125	gloss	very fine matte		Black panel, 25% LT also 35% & 50% LT developed
Makrofol® LM309 2-4 160004	very fine matte	fine matte		Diffuser
Makrofol® LM322 2-4 160006	very fine matte	fine matte		Diffuser
Makrofol® LM903 1-4 160008	gloss	fine matte		≥95% reflective white
Makrofol® LM905 2-4 160009	very fine matte	fine matte		Diffuser
Makrofol® UV503 9-2 060004	velvet	very fine matte	FR 65	Also available in 1-1 and 6-2
SCRATCH RESISTANT FILMS				
Makrofol® SR906 1-1 040009	gloss	gloss	6060	Acrylic capped Polycarbonate with UV resistance also available as 7-2
Makrofol® HF312 G-4 021021	gloss	fine matte		3D formable hard coat
Makrofol® HS337 G-1 020010	gloss	gloss		2D non-formable hard coat
MEDICAL FILMS				
Makrofol® MA507 1-1 060004	gloss	gloss	8040	Medical packaging; withstands high temperature autoclave and other standard sterilization procedures; thermoformable
Bayfol® MA504 1-M 530002	gloss	matte		Soft/Rigid dual layers for medical packaging; the soft layer provides abrasion and puncture resistance, while the hard layer provides toughness and rigidity; thermoformable





Covestro LLC
Specialty Films
8 Fairview Way
South Deerfield, MA 01373
Tel: 413-665-7016

www.films.covestro.com
CAS_Films@covestro.com

The manner in which you use and the purpose to which you put and utilize 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, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro.

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 technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us 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.

Makrofol® and Bayfol® are registered trademarks of Covestro.

©2020 Covestro LLC. All rights reserved.

COV-093 03/2020