Makrofol® Bayfol®

Film Selector Guide for Mobility

covestro

Makrofol® & Bayfol®

Grade	1st Surface	2nd Surface	Color
GRAPHIC FILMS			
Makrofol® DE 1-1 000000 (Automotive, labels, nameplates, packaging)	gloss	gloss	crystal clear
Makrofol® DE 1-4 000000 (Automotive, labels, nameplates)	gloss	fine matte	crystal clear
Makrofol® DE 1-4 010181 (Automotive, labels, nameplates)	gloss	fine matte	white
Makrofol® DE 1-4 011267 (Automotive, labels, nameplates)	gloss	fine matte	white
Makrofol® DE 1-4 011875 (Automotive, labels, nameplates)	gloss	fine matte	white
Makrofol® DE 1-4 020209 (Automotive, labels, nameplates)	gloss	fine matte	white
Makrofol® DE 1-4 060007 (Automotive, labels, nameplates)	gloss	fine matte	natural
Makrofol® DE 1-4 900029 (Automotive, labels, nameplates)	gloss	fine matte	black
Makrofol® DE 4-4 160021 (Opaque white film with printable surface on both sides)	fine matte	fine matte	white
Makrofol® DE 6-2 000000 (Automotive, labels, nameplates, packaging)	fine velvet	very fine matte	natural
Makrofol® DE 7-2 000000 (Automotive, labels, nameplates, packaging)	velvet	very fine matte	natural
Makrofol® DE920 1-1 061101 (Automotive, labels, nameplates, packaging)	gloss	gloss	natural
Makrofol® BL 2-4 820816 (Automotive, mobility, optimized for die cutting)	very fine matte	fine matte	natural
Bayfol® CR 1-4 000000 (Automotive, labels, membrane switch, nameplates, telecom, hand held devices)	gloss	fine matte	natural
Bayfol® CR 6-2 000000 (Automotive, labels, membrane switch, nameplates, telecom, hand held devices)	fine velvet	very fine matte	natural
Bayfol® CR210 1-1 000000 (Automotive, labels, nameplates)	gloss	gloss	crystal clear
Bayfol® CR210 1-4 000000 (Automotive, labels, nameplates)	gloss	fine matte	natural
Makrofol® UV244 1-1 000000 (Automotive, appliances, labels, nameplates, display covers)	gloss	gloss	natural
LIGHT MANAGEMENT FILMS			
Makrofol® LM228 2-4 160005 (LED and light diffuser)	very fine matte	fine matte	translucent white
Makrofol® LM243 2-4 160025 (LED and light diffuser)	very fine matte	fine matte	translucent white
Makrofol® LM296 1-2 760150 (Automotive, TFT displays)	gloss	very fine matte	grey
Makrofol® LM296 1-2 760165 (Automotive, TFT displays)	gloss	very fine matte	grey
Makrofol® LM296 1-2 760250 (Automotive, TFT displays)	gloss	very fine matte	grey
Makrofol® LM296 1-2 760275 (Automotive, TFT displays)	gloss	very fine matte	grey
Makrofol® LM296 1-2 760350 (Automotive, TFT displays)	gloss	very fine matte	grey
Makrofol® LM297 HM 040007 (LCD backlight application, automotive)	structured	matte	natural
Makrofol® LM302 1-2 000000 (LED and light diffuser)	gloss	very fine matte	natural
Makrofol® LM309 2-4 160004 (LED and light diffuser)	very fine matte	fine matte	translucent white
Makrofol® LM322 2-4 160006 (LED and light diffuser)	very fine matte	fine matte	translucent white
Makrofol® LM903 1-4 160008 (LED boards, reflectors)	gloss	fine matte	reflective white
Makrofol® LM905 2-4 160009 (LED and light diffuser)	very fine matte	fine matte	translucent white
Makrofol® LM914 1-2 742055 (Instrument cluster and display covers)	gloss	very fine matte	grey
Makrofol® UV503 1-1 060054 (Diffuser for automotive lighting requiring AMECA materials)	gloss	gloss	natural
Makrofol® UV503 1-4 060051 (Diffuser for automotive lighting requiring AMECA materials)	gloss	fine matte	natural
Makrofol® UV503 6-2 060004 (Diffuser for automotive lighting requiring AMECA materials)	fine velvet	very fine matte	natural
Makrofol® UV503 7-2 060004 (Diffuser for automotive lighting requiring AMECA materials)	velvet	very fine matte	natural
Makrofol® UV503 9-2 060004 (Diffuser for automotive lighting requiring AMECA materials)	velvet	very fine matte	natural
SCRATCH RESISTANT FILMS			
Makrofol® SR253 1-1 040002 (Automotive, appliances, labels, nameplates, display covers)	gloss	gloss	crystal clear
Makrofol® SR253 1-1 040010 (Automotive, appliances, labels, nameplates, display covers)	gloss	gloss	crystal clear
Makrofol® SR818 1-1 741013 (Automotive, appliances, labels, nameplates, display covers)	gloss	gloss	grey
Makrofol® SR906 1-1 040009 (Automotive, appliances, labels, nameplates, display covers)	gloss	gloss	crystal clear
Makrofol® SR906 7-2 040009 (Automotive, appliances, labels, nameplates, display covers)	velvet	very fine matte	crystal clear
Makrofol® SR908 1-4 040011 (Automotive, appliances, labels, nameplates, display covers)	gloss	fine matte	natural
Makrofol® SR911 1-4 040014 (Automotive, appliances, labels, nameplates)	gloss	fine matte	natural
OPTICAL GRADE FILMS			
Makrofol® OF920 1-1 064001 (Coated films substrates, display covers, HUD)	gloss	gloss	crystal clear
Makrofol® OF923 1-1 064101 (Coated films substrates, display covers, HUD)	gloss	gloss	crystal clear
Makrofol® OF934 1-1 044001 (Coated films substrates, display covers, HUD)	gloss	gloss	crystal clear
SENSOR TRANSPARENT FILMS			
Makrofol® ST342 1-1 940002 (Automotive, sensors (in particular for LiDAR))	gloss	gloss	black
Makrofol® ST342 1-4 940002 (Automotive, sensors (in particular for LiDAR))	gloss	fine matte	black
Makrofol® ST362 1-1 940005 (Automotive, sensors (in particular for LiDAR))	gloss	gloss	black
Makrofol® ST362 1-1 940006 (Automotive, sensors (in particular for LiDAR))	gloss	gloss	black
Makrofol® ST362 1-1 940007 (Automotive, sensors (in particular for LiDAR))	gloss	gloss	black
ELECTROPLATING FILMS			
Makrofol® EP355 1-2 140017 (Galvanized surfaces and parts)	gloss	very fine matte	natural
FLAME RETARDANT FILMS			
Makrofol® FR 7-2 000000 (Spacers, trade show displays, UL 94 V-0 at 10 mil)	velvet	very fine matte	natural
Makrofol® FR344 2-4 060035 (Automotive, battery cell carrier, elctronics, construction, transportation)	very fine matte	fine matte	natural

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

Grade	Thickness											Descriptions
	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	
Makrofol® DE 1-1 000000			●	●	●	●	●	●	●	●	●	Standard grade of polycarbonate film, masking provided on both sides
Makrofol® DE 1-4 000000			●	●	●	●	●	●	●	●		Standard grade of polycarbonate film with one matte side, no masking required
Makrofol® DE 1-4 010181					●	●	●	●				Standard grade of polycarbonate film in translucent white
Makrofol® DE 1-4 011267					●	●	●	●				Standard grade of polycarbonate film in translucent white
Makrofol® DE 1-4 011875					●	●	●	●				Standard grade of polycarbonate film in translucent white
Makrofol® DE 1-4 020209					●	●	●	●				Standard grade of polycarbonate film in translucent white
Makrofol® DE 1-4 060007					●	●	●	●				Controlled low birefringence, preferred for HPF processing
Makrofol® DE 1-4 900029			●	●	●	●	●	●	●	●		Standard grade of polycarbonate film in opaque black
Makrofol® DE 4-4 160021					●	●	●					Opaque white film with printable surface on both sides
Makrofol® DE 6-2 000000	●	●	●	●	●	●	●	●	●	●		Printable fine velvet surface
Makrofol® DE 7-2 000000			●	●	●	●	●	●	●	●		Printable velvet surface
Makrofol® DE920 1-1 061101					●		●	●				Controlled low birefringence gloss-gloss film
Makrofol® BL 2-4 820816					●	●	●	●				Optimized for die cutting
Bayfol® CR 1-4 000000			●	●	●	●	●					PC/PBT blend, high actuation life, better chemical resistance than DE
Bayfol® CR 6-2 000000			●	●	●	●	●					PC/PBT blend, high actuation life, better chemical resistance than DE
Bayfol® CR210 1-1 000000					●	●	●	●				PC/CoPolyester blend, easy forming
Bayfol® CR210 1-4 000000					●	●	●	●				PC/CoPolyester blend, easy forming
Makrofol® UV244 1-1 000000				●	●	●	●					Acrylic capped polycarbonate

	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	
Makrofol® LM228 2-4 160005						●		●				Diffuser
Makrofol® LM243 2-4 160025				●	●	●	●	●				Diffuser
Makrofol® LM296 1-2 760150								●				Black panel, 50 % Light Transmission
Makrofol® LM296 1-2 760165							●					Black panel, 65 % Light Transmission
Makrofol® LM296 1-2 760250										●		Black panel, 50 % Light Transmission
Makrofol® LM296 1-2 760275								●				Black panel, 75 % Light Transmission
Makrofol® LM296 1-2 760350							●					Black panel, 50 % Light Transmission
Makrofol® LM297 HM 040007				●	●							Lens type, light shaping film
Makrofol® LM302 1-2 000000					●	●	●	●				White panel, light diffusing film
Makrofol® LM309 2-4 160004					●	●	●	●				Diffuser
Makrofol® LM322 2-4 160006						●						Diffuser
Makrofol® LM903 1-4 160008						●	●	●				Reflective white
Makrofol® LM905 2-4 160009						●		●				Diffuser
Makrofol® LM914 1-2 742055										●		Acrylic capped Black Panel, 55 % Light Transmission
Makrofol® UV503 1-1 060054						●	●	●				Made of AMECA listed polycarbonate
Makrofol® UV503 1-4 060051							●	●				Made of AMECA listed polycarbonate with one matte side and controlled birefringence
Makrofol® UV503 6-2 060004			●	●	●	●	●	●		●		Diffuser made from AMECA listed polycarbonate resin
Makrofol® UV503 7-2 060004			●	●	●	●	●	●	●	●		Diffuser made from AMECA listed polycarbonate resin
Makrofol® UV503 9-2 060004			●	●	●	●	●	●	●	●		Diffuser made from AMECA listed polycarbonate resin

	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	80 mil 2000 µm	
Makrofol® SR253 1-1 040002				●	●	●	●	●	●	●		Acrylic capped polycarbonate
Makrofol® SR253 1-1 040010				●	●	●	●	●	●	●		Acrylic capped polycarbonate
Makrofol® SR818 1-1 741013											●	Acrylic capped polycarbonate with UV resistance, Black panel, 13% Light Transmission
Makrofol® SR906 1-1 040009				●	●	●	●	●	●			Acrylic capped polycarbonate with UV resistance
Makrofol® SR906 7-2 040009							●					Acrylic capped polycarbonate with UV resistance
Makrofol® SR908 1-4 040011					●		●					Scratch resistant film with glare reducing surface
Makrofol® SR911 1-4 044001					●		●					Acrylic capped PC/Polyester Blend with UV resistance for easy forming

	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	
Makrofol® OF920 1-1 064001					●	●	●	●				Polycarbonate with superior quality vs. standard grades
Makrofol® OF923 1-1 064101					●	●	●	●				Polycarbonate with superior quality, controlled birefringence
Makrofol® OF934 1-1 044001					●	●	●	●	●			Acrylic capped polycarbonate

	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	
Makrofol® ST342 1-1 940002					●							Near infrared transparent film, VIS transmission <1 %, easy forming
Makrofol® ST342 1-4 940002					●							Near infrared transparent film, VIS transmission <1 %, easy forming
Makrofol® ST362 1-1 940005					●							Near infrared transparent film, VIS transmission <1 %
Makrofol® ST362 1-1 940006							●					Near infrared transparent film, VIS transmission <1 %
Makrofol® ST362 1-1 940007								●				Near infrared transparent film, VIS transmission <1 %

	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	
Makrofol® EP355 1-2 140017					●		●					Polycarbonate film capped with ABS on both sides

	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	
Makrofol® FR 7-2 000000					●		●	●				Halogenated Flame Retardant
Makrofol® FR344 2-4 060035					●	●	●	●				Non-halogen Flame Retardant

Scan to learn more about advanced films for mobility

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