

Makrofol® Polycarbonate Film DE 1-1 Gloss/Gloss



PRODUCT OVERVIEW

DE 1-1 is a clear general purpose polycarbonate film that delivers superior impact and clarity. This standard product offers a gloss surface on both sides and is available in thicknesses from .005" to .030". DE 1-1 is supplied with combinations of cling and stick maskings.

Applications include:

- Automotive
- Labels
- Membrane switches
- Nameplates
- Packaging

TYPICAL PROPERTIES

PROPERTIES	TEST METHOD	UNITS	VALUES
PHYSICAL			
Specific Gravity	ASTM D792		1.2
Conversion factor		ft ² /lb-mil	160
Water absorption (immersion @73°F 24 hours)	ASTM D570	%	0.33
First surface gloss 80° angle, black inked second surface	ASTM D2457	gloss unit	≥98
First surface roughness R3Z	ISO 4288	microns	≤0.5
OPTICAL			
Haze	ASTM D1003	%	0.3
Light transmission	ASTM D1003	%	91
Yellowness index	ASTM E313		1
MECHANICAL			
Tensile strength, yield	ASTM D882	psi	8,800
Tensile strength, break	ASTM D882	psi	8,700
Elongation@break	ASTM D882	%	120
Tear strength, initiation	ASTM D1004	lb/in	1,100
THERMAL			
Heat deflection temperature 1.82 mpa	ISO 75	° F	270
0.45 mpa		° F	288
Vicat softening temperature	ISO 306	° F	315
FLAMMABILITY			
UL Listing	UL 94	minimum thickness 0.015"	V-2
	UL 94	minimum thickness 0.005"	VTM-2
Burn rate	FMVSS302		≤100

Put us to work – for you!™

Proud supplier of Bayer Makrofol® Polycarbonate Film



ALBANY
800.553.0335

CLEVELAND
800.223.2725

ERIE
800.352.0007

PHILA & NJ
800.831.2550

ROCHESTER
800.722.2140

WESTERN NY
800.544.1498

ATLANTA
800.433.9756

COLORADO
866.319.8723

FLORIDA
888.388.3417

PHOENIX
800.227.7963

SYRACUSE
800.446.4624

TAPES & FABRICS
800.505.9201

CINCINNATI
800.334.9699

DETROIT
800.354.4798

NEW ENGLAND
800.637.2763

PITTSBURGH
800.548.0650

VIRGINIA
888.349.8897

FILMS GROUP
888.287.2355



NATIONWIDE 1.888.CURBELL
www.curbellplastics.com