

Plastic Light Diffuser Sample Kit

LIGHT TRANSMISSION (ASTM D1003)

#	MATERIAL/GRADE	COLOR	SURFACE	THICKNESS		DESCRIPTION	
1	Makrofol® DE 1-4 000000	Clear	Gloss/Fine Matte	90%	.010"	Polycarbonate film typically used for automotive applications, membrane switches, and nameplates.	POLYCARBONATE FILM
2	Makrofol® DE 1-4 020209	White Translucent	Gloss/Fine Matte	25%	.010"	Polycarbonate film with excellent diffusion characteristics when printed or used as an overlay for trade show displays, signs, and menu boards.	
3	Makrofol® LM 228 (Light Management)	Natural	Very Fine Matte/Fine Matte	73%	.012"	Light diffusing polycarbonate film. Typically used for automotive instrument panels and backlight displays.	
4	Makrofol® LM 309 (Light Management)	Natural	Very Fine Matte/Fine Matte	86%	.012"	Light diffusing polycarbonate film. Typically used for automotive instrument panels and backlight displays.	
5	Makrofol® LM 905 (Light Management)	Natural	Very Fine Matte/Fine Matte	81%	.012"	Light diffusing polycarbonate film. Typically used for automotive instrument panels and backlight displays.	
6	KSH® Overlay Matte White	White	Matte	79%	.040"	A high transmission acrylic overlay sheet used to diffuse lamp images and provide more uniform surface brightness.	ACRYLIC
7	KSH® Overlay Matte Clear	Clear	Matte	83%	.040"	A high transmission acrylic overlay sheet used to diffuse lamp images and provide more uniform surface brightness.	
8	KSH®-12	Clear	3/16" square base female conical prism placed on a 45° axis	92%	.125"	Acrylic prismatic lighting panel eliminates glare and obscures fluorescent and HID (high intensity discharge) lamps.	
9	KSH®-15	Clear	3/8" square base female conical prism runs length and width of sheet	92%	.200"	Acrylic prismatic lighting panel provides excellent efficiency, direct glare control, and visual comfort. Suitable for large areas. For fluorescent and HID (high intensity discharge) lamps.	
10	OPTIX® 95	Translucent	Matte finish one side	92%	.118"	Acrylic sheet with a matte finish on one side provides a decorative effect and reduces surface reflections. Smudge and fingerprint resistant.	
11	OPTIX® NG	Translucent	Light Matte	92%	.118"	Acrylic non-glare sheet that is lightweight and shatter resistant. Ideal for signage, silk screening, and point of purchase displays. UL 94 HB.	POLYCARBONATE
12	OPTIX® 95 LED	Translucent	Soft satin texture one side	92%	.118"	Acrylic sheet that provides a soft satin appearance, combining high efficiency with excellent diffusing properties, making it ideal for LED lighting applications.	
13	OPTIX® Frost LED	Translucent	Soft satin texture two sides	87%	.080"	Acrylic sheet that provides a soft satin appearance, combining high efficiency with excellent diffusing properties, making it ideal for LED lighting applications.	
14	OPTIX® LD 2406 White	Translucent	Smooth finish two sides	68%	.118"	Acrylic sheet with dramatically increased light transmission compared to standard sign whites, while diffusing the light source to reduce hot spots.	
15	Plexiglas® Syk	Colorless	Soft texture throughout	85%	.118"	Light diffusing acrylic sheet. Easy to fabricate and thermoform. Maintains soft subtle texture after bending and forming. UL 94 HB.	
16	TUFFAK® Lumen XT LC0 (formerly called Makrolon®)	Translucent, Cool	Textured one side	90%	.118"	Light diffusing polycarbonate sheet with superior impact strength and toughness compared to glass and acrylic. UL 94 V2 and FAR 25.853.	POLYCARBONATE
17	TUFFAK® Lumen XT LC3 (formerly called Makrolon®)	Translucent, Cool	Textured one side	85%	.118"	Light diffusing polycarbonate sheet with superior impact strength and toughness compared to glass and acrylic. UL 94 V2 and FAR 25.853.	
18	TUFFAK® Lumen XT LC5 (formerly called Makrolon®)	Translucent, Cool	Textured one side	77%	.118"	Light diffusing polycarbonate sheet with superior impact strength and toughness compared to glass and acrylic. UL 94 V2 and FAR 25.853.	
19	TUFFAK® Lumen XT LC7 (formerly called Makrolon®)	Translucent, Cool	Textured one side	62%	.118"	Light diffusing polycarbonate sheet with superior impact strength and toughness compared to glass and acrylic. UL 94 V2 and FAR 25.853.	
20	TUFFAK® Lumen XT LW3 (formerly called Makrolon®)	Translucent, Warm	Textured one side	90%	.118"	Light diffusing polycarbonate sheet with superior impact strength and toughness compared to glass and acrylic. UL 94 V2 and FAR 25.853.	
21	TUFFAK® Lumen XT LW5 (formerly called Makrolon®)	Translucent, Warm	Textured one side	81%	.118"	Light diffusing polycarbonate sheet with superior impact strength and toughness compared to glass and acrylic. UL 94 V2 and FAR 25.853.	
22	TUFFAK® Lumen XT LW7 (formerly called Makrolon®)	Translucent, Warm	Textured one side	67%	.118"	Light diffusing polycarbonate sheet with superior impact strength and toughness compared to glass and acrylic. UL 94 V2 and FAR 25.853.	
23	TUFFAK® Lumen XT LW9 (formerly called Makrolon®)	Translucent, Warm	Textured one side	55%	.118"	Light diffusing polycarbonate sheet with superior impact strength and toughness compared to glass and acrylic. UL 94 V2 and FAR 25.853.	