



Popular Light Diffusing Materials

For 25 years OptiColor has been customizing superior quality light diffusing materials, working with clients to create custom formulas that solve their challenging problems for the best light transmission, diffusion, color, and texture needed for each application. Our exclusive additives allow some of the highest light transmission available, while still providing excellent diffusion that hides the hot spots.

A selection of our common light diffusing materials can be found below, which can all be customized.

Smooth Diffused and OptiFrost® Textured Diffused Materials **POLYCARBONATE**

Concentrated materials that provide excellent dispersion and allow clients to letdown into any polycarbonate base resin, providing significant cost savings and inventory reductions

Polycarbonate - DIFFUSED TEXTURED

IProduct Number		Texture	Diffusion	Color Number	Light Transmission				
					.040"	.060"	.080"	.100"	.125"
P143WT739	100%	Textured	High	WT-739	71%	59%	53%	48%	43%

- Lightly textured, diffused extrusion grade polycarbonate
- Precolor used at 100% or blended with clear PC for added texture and higher LT (reduced diffusion)

Polycarbonate Concentrates - DIFFUSED

Product Number	Letdown	Texture	Diffusion	Color Number	Light Transmission				
					.040"	.060"	.080"	.100"	.125"
Popular Diffused									
PCC2393WT	4/100	Smooth	Med	WT-920	88%	87%	86%	85%	82%
PCC2483WT	4/100	Matte	High	WT-969	84%	78%	73%	67%	58%
PCC2353WT	4/100	Matte	High	WT-893	75%	65%	56%	49%	43%
PCC2258WT	2/100	Matte	High	WT-872	68%	57%	49%	43%	39%
Other Diffused									
PCC1671WT	4/100	Smooth	Med	WT-187	85%	81%	79%	75%	68%
PCC2115WT	5/100	Smooth	Med	WT-607	79%	69%	60%	52%	43%
PCC1990WT	5/100	Smooth	High	WT-479	78%	68%	61%	53%	45%
PCC1991WT	5/100	White/Smooth	Very High	WT-452	43%	37%	32%	29%	24%

If one of our existing materials does not meet your exact specifications, let our sales team work with you to have a custom formula created using your LED's and light sources for maximum performance and to reach targeted output.

Email: sales@opticolorinc.com