

POLYCARBONATE



Diffuser LD7416MA

This light diffuser masterbatch has high diffusion and high transmission properties. This makes it suitable for PMMA applications that require good light transmission, such as interior partitions and signage. A cost-effective solution, it can achieve excellent diffusion when only a small quantity (2%-5% @ 1.6mm) is blended into the PMMA during the extrusion or injection molding process.

uses

Extrusion: sheets, panels, profiles and films.

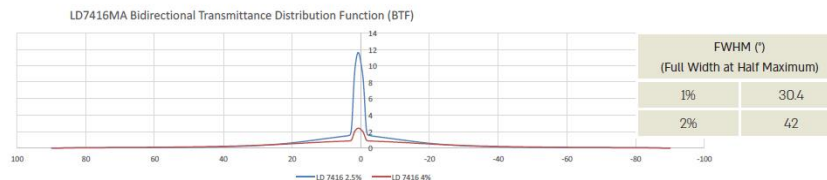
Injection molding: only with careful testing to ensure that the injection machine dispersion abilities are sufficient.

Advantages

- High diffusion power
- Very high light transmission
- High thermal stability which results in a very stable extrusion process

OPTICAL DATA

*LDR (%)	Light Transmission (LT)	Haze (%)	Clarity
0.5	91.5	63.6	94.7
1	91.7	89.5	87.1
1.5	91.9	94.9	79.7
2	92.0	98.0	68.7
2.5	91.5	100	48.3
3	90.7	101	30.8
4	88.5	102	11.3
Clear PMMA	92.9	3.1	98.0



In recent years, light diffuser PMMA sheets and injected covers have gained importance in the lighting and LED industry.

This PMMA product exhibits both excellent diffusion and excellent optical properties, while maintaining its original luminance.

Concentrated masterbatch solutions are more cost effective as compared to compounds. They also provide a substantial degree of freedom to determine the diffusion level of any application product.

APPLICATIONS



Roof construction



Interior partitions



Sign applications



LED light covers

ADVANTAGES



High diffusion power



High light transmission



High thermal stability
For a very stable
extrusion process