

DATA SHEET

Optical Adhesive and Coating: **MY-130**

MY-130 is our lowest refractive index UV curable coating/adhesive. Its main feature is the low refractive index of 1.303 in the NIR.

Properties

Viscosity	120 cps
density	1.76
Refractive index (non-cured) @ 589nm	1.306
Refractive index (cured) @ 589nm	1.308
Refractive index (cured) @ 950 nm	1.303
Curing	Min. 1-2 J/cm ² , 300-400 nm
Shrinkage upon curing (volumetric) %	<1%
Appearance after curing	Colorless, clear, soft solid
Elastic Modulus, MPa	<2
Tensile Strength, MPa	<0.2
Elongation to Break, %	<10
Adhesion to glass, 90° Peel, g/cm	low

The product is supplied pre-filtered to below 1 micron particles.

Storage

1. Avoid unnecessary exposure to ambient light.
2. The product should be stored at ambient conditions of 10-30°C. Do not refrigerate.
3. Long periods of storage combined with excessive heat may cause irreversible gelation.
4. Do not store under nitrogen. Oxygen is an essential inhibitor against premature gelation.

The product is specified to be useful for 12 months.

Application

Curing can be achieved by any source of UV at 300-400nm. Typically, a dose of 1000-2000 mJ/cm² is necessary. To achieve a good aesthetic non tacky surface, it is recommended to irradiate under nitrogen (more on inert curing in the Technical Support page on our web site). No inerting is necessary when curing between two layers or in a mold.

Safety: Although safer than most UV adhesives, this adhesive is a chemical and must be handled by professional workers and after review of the MSDS.

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