

Products and Company Overview

Distinguished by its total focus on low refractive index materials, MY Polymers is a leader in this field. We have been active in the field of Low Refractive Index Optical Coatings, Adhesives and Polymers since 2004.

Our products span the whole range of Refractive Index from 1.30 to 1.50.

Our wide selection of UV Cured products is complemented by Moisture Cured, Heat Cured, and Double Cured products. The company develops, produces, and sells Primary Coatings for specialty optical fibers, Recoating materials, Low index lamination adhesives for Electronic Displays, Anti-reflective coatings, and Bio-photonics materials.

MY Polymers is ISO certified. We serve the global photonics industry and electronic display industry, with customers in North America, Asia, and Europe.

The OF Product Line: Primary Coatings for Specialty High NA Optical fibers

Our OF Optical Fiber coatings are used in optical fiber drawing towers. Our OF-136 (RI=1.36) is used by the majority of the leading manufacturers of Specialty Optical Fibers. It is complemented by the remarkable OF-133 (RI=1.33, NA=0.6), OF-138 (RI=1.38, high Modulus), OF-140-N-3, and the recently introduced OF-136-G2, with improved performance under hot water immersion testing.

These and most of the OF products include our proprietary adhesion promoter. It provides improved adhesion to the silica core, especially under wet conditions, while enabling relatively long shelf life (compared to commercially available adhesion promoters).

The table below is a partial table. Refer to our website for a full table.

Product	RI @ 950nm	Adhesion g/cm	Modulus MPa	Viscosity CPS
OF-133-V3	1.331	11	4	2400
OF-136	1.363	64	85	2200
OF-136-G2	1.353	60	90	4200
OF-138	1.379	120	230	3300
OF-140-N3	1.409	150	290	3700

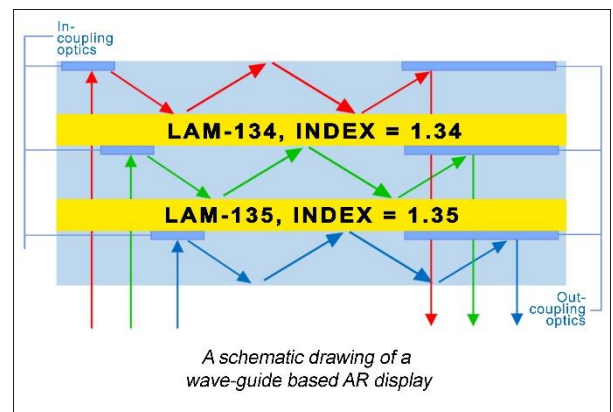


LAM-134, LAM-135, LAM-136 Low Index lamination adhesives for AR/VR/MR displays and smartphone displays

The new LAM-134, LAM-135 and LAM-136 lamination adhesives have a unique combination of low index and very strong adhesion to plastic films (PET, PC) to PMMA, glasses and metal surfaces.

These are pure UV cured materials, with no solvents, enabling simple application.

The LAM products are especially useful in waveguide-based AR (augmented Reality) displays, since they enable optical isolation between the adjacent R, G and B waveguides.

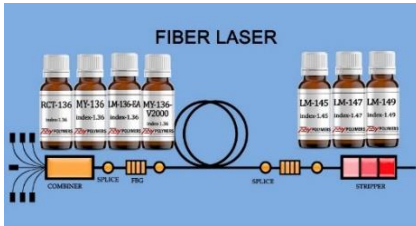


These materials also enable other applications in both OLED and LCD displays, such as improved directionality, attaching adjacent films to a PMMA light guide, attaching optical touch screens to the OLED or LCD module, etc.

Product	RI @589nm	Peel Adhesion gr/cm	Viscosity	Shelf Life
LAM-134	1.347	360	3500	12 months
LAM-135	1.353	750	3500	12 months
LAM-136	1.359	1200	2800	12 months

The LM and MY Product Line: Recoating, Adhesives; Index = 1.30 to 1.55

MY Polymers offers the industry's widest selection of dedicated re-coating materials, which were optimized specifically for re-coating applications.



Product	RI @ 950nm	Adhesion g/cm	Modulus MPa	Viscosity CPS
MY-130	1.303	low	<1	120
MY-133-V2000	1.329	9	5.2	2900
MY-136-V2000	1.369	50	53	1700
LM-146	1.460	1900	35	1400
LM-149	1.490	700	57	1280
LM-155	1.550	1200	50	2500

MY-136-V2000 is used in combiners.

LM-147 and similar products are used in cascaded and regular cladding light strippers.

The table is a partial table of some of our re-coating materials. Refer to our website for a full table.

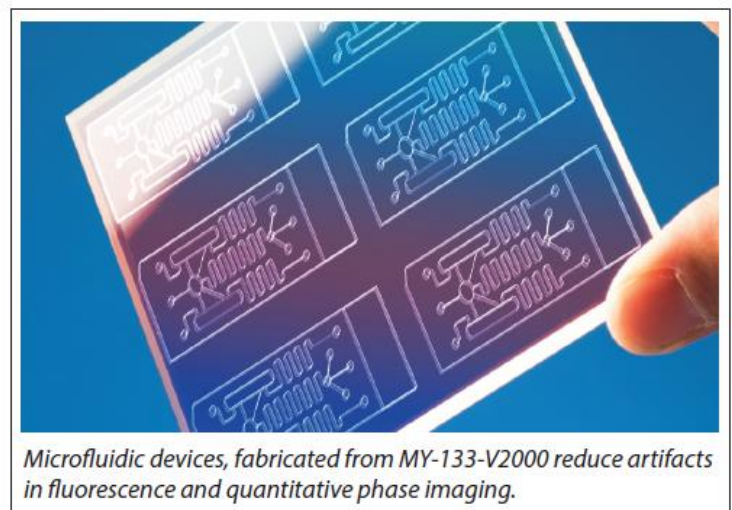
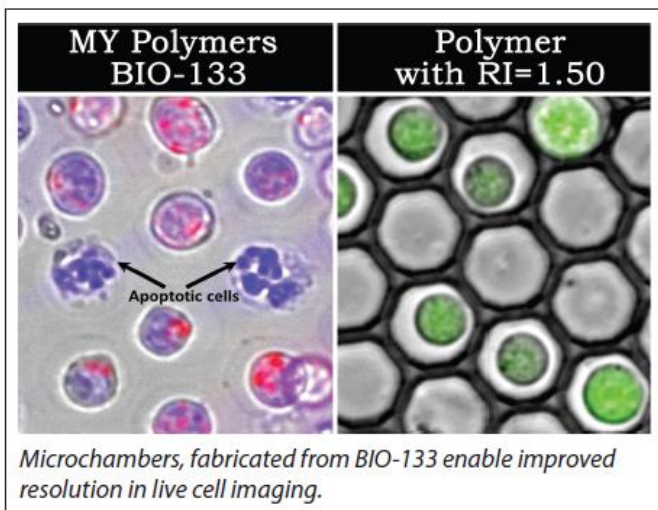
Bio-Photonic Materials

Our BIO-133 and BIO-134 are non-fluorescent and have reduced cytotoxicity, compared to our other products. These materials enable high-resolution microscope imaging over 3D structures, such as microfluidic devices, microarrays or micropillars.

In some applications, customers prefer to use MY-133-V2000 or MY-134 that have a longer shelf life.

In other applications, when thin coatings are required (e.g. microscopy calibration slides, or SPR biosensors) customers prefer to use MY-133-MC (Index=1.33) for its simplicity of use as a coating.

Product	RI @ 589nm	RI @ 950nm	Elastic Mod. MPa	Viscosity CPS
BIO-133	1.334	1.329	5	2200
BIO-134	1.342	1.337	5.6	5500
MY-133-V2000	1.333	1.329	5.2	2900
MY-133-MC	1.330	1.325	<6B	400



About MY Polymers Ltd.

Distinguished by its total focus on low refractive index materials, **MY Polymers** is a leader in this field.

MY Polymers has been active in the field of Low Refractive Index Optical Coatings Adhesives and Polymers since 2004. The company develops, produces, and sells primary coatings for optical fibers, recoating materials, optical adhesives, bio-photonic materials, anti-reflective coatings, and various other low index polymers, coatings and adhesives.

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