

Chemically Resistant, Optically Clear Adhesive Cures upon Exposure to UV Light



Developed for demanding bonding, coating, and sealing applications, Master Bond UV15-7 produces non-yellowing, tough and durable bonds. This one component adhesive is 100% reactive and doesn't contain any solvents or diluents. It also offers excellent adhesion to a wide variety of substrates including glass, metals, plastics, polycarbonates and polymer films.

Like many UV curable adhesives, UV15-7 offers fast cure rates, ranging from 5 seconds to 3 minutes upon exposure to a UV light source. Maximum UV absorption occurs in 280 to 360 nanometer range using a 200 Watt/inch medium pressure, mercury vapor lamp. Unlike many UV curable products, UV15-7 is not inhibited by air and cures quickly at ambient temperatures, even in thickness up to 1/8 inch or more.

Serviceable over the wide range of -60 to +300°F, UV15-7 features a tensile strength exceeding 5,000 psi, a refractive index of 1.55 and a Shore D hardness over 70. Resistant to chemicals and thermal shock, it features a thermal expansion coefficient of $65-70 \times 10^{-6}$. With a volume resistivity of 10^{14} ohm-cm, this low viscosity adhesive offers excellent electrical insulative properties.

Master Bond

201-343-8983; www.masterbond.com [1]

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