



## UV8106OP UV/VISIBLE LIGHT CURE OPTICAL ADHESIVE CEMENT

### ● PRODUCT DESCRIPTION

8106OP is a low viscosity, clear, urethane acrylate optical adhesive cement for bonding of lenses, lens housings and other optical elements. Product can be cured with activator or heat when shadowed bond lines are available. 8106OP is clear in thin bond lines matching the refractive index of glass. 8106OP contain additives for metal bonding as well as additives for adhesion to glass under high humidity and other environmental conditions.

Ultraviolet/Visible Light Cure Heat Cure	100% Solids Flexible and Tough	Bonds Diverse Substrates Low Viscosity
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### ● CURING PROPERTIES

UV-A	VIS	LED	HEAT
+	+	Can be used with 365nm – 405nm wavelength	100°C @ 60 min. 120°C @ 30 min. 150°C @ 15 min.
<b>Curing @100mW/UV-A</b>		5 sec	

### ● UNCURED PROPERTIES

<b>Color</b>	Clear, Pale Yellow
<b>Viscosity</b>	450-800
<b>Specific Gravity</b>	1.1

### ● CURED PROPERTIES

<b>Color</b>	Optically Clear
<b>Hardness Shore D</b>	45-60
<b>Elongation Range (%)</b>	80
<b>Tensile Strength (N/mm<sup>2</sup>)</b>	26,1
<b>Water Absorption (%)</b>	3,6
<b>Operating Temperature (°C)</b>	-50°C to 120°C
<b>Refractive Index</b>	1.51

### ● INSTRUCTIONS FOR USE

8106OP is available in several types of packaging. The materials can be used with either pressure/-time or positive displacement dispense equipment. All materials should be stored in a cool place when not used for an extended period of time. Do Not Freeze. Shelf life of this product is twelve (12) months at 23 C when stored in original sealed container.

