

Product Description:

Nano IC60-CP is a low viscosity one-component UV/visible light curing modified acrylic structural adhesive. IC60-CP has high bond strength, with low odour.

Application:

Nano IC60-CP is designed for PMMA bonding, filling and sealing. This includes PMMA, other plastics, glass and some metals.

Performance before curing:

Appearance :	Transparent Liquid	Visual inspection
Type :	Modified acrylic polyurethane	
Solvent content :	Solvent free	
Viscosity CPS :	200	Brookfield DV- II Viscometer , 25°C SC4-15/150rpm
Thixotropic Index :	3	Brookfield DV- II Viscometer, 25°C, SC4-15/η 5rpm /η 30rpm

Curing properties:

Positioning time (Sec) :	2	2mm Ordinary glass , F20T8 BL UV lamp (0.8 mW/cm ²)
Curing time (Sec):	60	

Deep curing:

Use a high-pressure mercury lamp with a wavelength of 365nm and a light intensity of 80mW/cm² to cure for 60 seconds.

Performance after curing:

Hardness (Shore D) :	75	GB/T 531.1-2008 Curing test
Shear strength (PMMA/PMMA) MPa :	≥18	GB 7124-2008
Elongation at break % :	>180	GB/T 528-1998 Curing test
Tensile Strength MPa :	≥18	B/T 528-1998 Curing test
Glass transition temperature Tg (°C,DSC)	75	TA instrument DSCQ100 test

Instructions For Use

Surface Preparation: Make sure the surfaces you are bonding are free of dust, oil, fat or any other dirt to optimise reproducible bonds.

Please refer to the corresponding Material Safety Data for more information.