



Henkel Loctite offers the most extensive line of needle bonding adhesives to the medical device industry. These UV/visible acrylic and/or one-part epoxy products are specifically designed for the assembly of stainless steel cannulas to a variety of hub materials including polycarbonate, acrylic, ABS, and polypropylene. The wide range of adhesives includes viscosity, environmental, substrate, and performance variations to ensure that there is a product to meet any needle bonding application requirement.

BONDING

NEEDLE BONDING ADHESIVES

LIGHT CURE ACRYLIC ADHESIVES

3911, 3912, 3913 General Purpose Plastic & Metal

General purpose, rapid surface curing, UV/visible, fluorescing adhesives designed specifically for needle bonding applications. Ideal for bonding a wide variety of substrates including plastics and metals where low moisture absorption is critical.

3921, 3922, 3924, 3926 Plastic & Metal

(Environmentally Resistant)

Fluorescing, UV/visible needle bonding adhesives offering superior sterilization resistance. Ideal for bonding a wide variety of plastic and metal needle components where environmental resistance is required.

3933, 3936 Polycarbonate & Thermoplastics

General purpose, UV/visible, fluorescing adhesives designed for needle bonding applications. Ideal for bonding polycarbonate and other thermoplastics.

3941, 3942, 3943 High Performance, Various Substrates

High performance, fluorescing, UV/visible acrylic needle bonding adhesives. Ideal for applications where excellent pull strengths on a variety of substrates and rapid surface cure are required.

3971, 3972 Plasticized Substrates

Rapid curing, UV/visible, fluorescing needle bonding adhesives that bond highly plasticized materials including PVC and polyurethane.

EPOXY ADHESIVES

3981, 3982, 3984 High Performance, Various Substrates

High performance, highly fluorescent, one-part, heat cure epoxy needle bonding adhesives offering superior physical, environmental and performance properties. Ideal for applications where maximum pull strength on a wide variety of substrates is required.

**LIGHT CURE ACRYLIC ADHESIVES
PROPERTIES CHART**

PRODUCT	Item Number	Container	Appearance Clarity/Color	Cure Type	Viscosity, cP Brookfield, 25°C	Tensile Strength (psi)	% Elongation	Hardness (Shore D)
3911	36536 36537 36538*	25 ml syringe 1 liter bottle 15 liter pail	Transparent to Hazy/ Fluorescent	Ultraviolet, visible	100	1,400	135	65
3912	36539 36540 36542*	25 ml syringe 1 liter bottle 15 liter pail	Transparent to Hazy/ Fluorescent	Ultraviolet, visible	6,300	3,100	160	60
3913	36791 36804 31323*	25 ml syringe 1 liter bottle 15 liter pail	Transparent to Hazy/ Fluorescent	Ultraviolet, visible	8,500	2,600	140	64
3921	36484 36485 36487*	25 ml syringe 1 liter bottle 15 liter pail	Transparent to Hazy/ Fluorescent	Ultraviolet, visible	150	2,800	30	67
3922	32083 32047 36752*	25 ml syringe 1 liter bottle 15 liter pail	Transparent to Hazy/ Fluorescent	Ultraviolet, visible	300	2,600	135	66
3924	36488 36489 36491*	25 ml syringe 1 liter bottle 15 liter pail	Transparent to Hazy/ Fluorescent	Ultraviolet, visible	1,100	2,600	280	60
3926	36492 36493 36494*	25 ml syringe 1 liter bottle 15 liter pail	Transparent to Hazy/ Fluorescent	Ultraviolet, visible	4,500	2,700	330	57
3933	32084 32040 36949*	25 ml syringe 1 liter bottle 15 liter pail	Transparent to Hazy/ Fluorescent	Ultraviolet, visible	3,250	1,600	80	57
3936	32304 32037 36951*	25 ml syringe 1 liter bottle 15 liter pail	Transparent to Hazy/ Fluorescent	Ultraviolet, visible	10,000	2,700	300	55
3941	36437 36476 36477*	25 ml syringe 1 liter bottle 15 liter pail	Transparent to Hazy/ Fluorescent	Ultraviolet, visible	480	4,500	5	74
3942	36483 36481 36482*	25 ml syringe 1 liter bottle 15 liter pail	Transparent to Hazy/ Fluorescent	Ultraviolet, visible	1,200	4,200	15	76
3943	36480 36478 36479*	25 ml syringe 1 liter bottle 15 liter pail	Transparent to Hazy/ Fluorescent	Ultraviolet, visible	6,000	3,500	270	69
3971	36792 36805 29255*	25 ml syringe 1 liter bottle 15 liter pail	Transparent to Hazy/ Fluorescent	Ultraviolet, visible	320	3,700	90	71
3972	36294 36295 36296*	25 ml syringe 1 liter bottle 15 liter pail	Transparent to Hazy/ Fluorescent	Ultraviolet, visible	4,500	3,400	90	68

* Made to order item.

**HYSOL® EPOXY ADHESIVES
PROPERTIES CHART**

PRODUCT	Item Number	Container	Appearance Clarity/Color	Cure Type	Viscosity, cP Brookfield, 25°C	Tensile Strength (psi)	% Elongation	Hardness (Shore D)
3981	36766 37297 36769*	30 ml syringe 1 liter bottle 5 gallon pail	Transparent Yellow	Heat Cure	5,300	9,000	3	84
3982	36767 37298 36772*	30 ml syringe 1 liter bottle 5 gallon pail	Off-White	Heat Cure	8,000	8,300	3	86
3984	36768 37299 36778*	30 ml syringe 1 liter bottle 5 gallon pail	Light Grey	Heat Cure	25,500	5,500	1	84

* Made to order item.