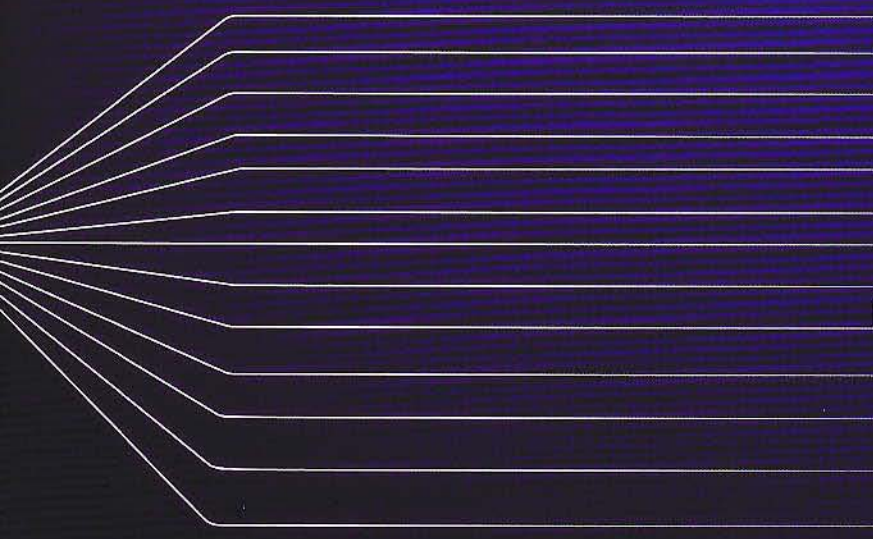




PARLITE

UV/VISIBLE CURE ADHESIVES



electronics assembly
windshield repair resin
glass bonding
medical device assembly
plastic bonding
FIP/CIP gaskets

Parlite® UV Curable Adhesives

Parson offers a wide range of UV and visible light curing adhesives for a variety of applications for bonding, encapsulating, coating, tacking and sealing. Parson's state-of-the-art research and development facility offers custom formulations to meet customers' specific needs. These products are available in wide variety of packing such as syringe, bottle, and drum.

Adhesives for Electronic Assembly

Grade	Substrates	Viscosity at 25°C (cps)	Shore Hardness	Elongation (%)	Cure Mechanism	Application
4710	metals, plastics, ferrite	17,000 - 20,000	45D	90%	UV, Visible	High viscosity encapsulant for precision application to specific electronic assembly areas, glob top application
4725	metals, plastics, ferrite	600 - 800	55D	72%	UV, Visible	Specifically designed for potting. Ideal for connectors, thermal switches, and temper proofing.
4750	metals, ceramic, glass-filled epoxy	150 - 200	85D	12%	UV, Visible	Tough, glossy conformal coating with excellent adhesion to wide variety of boards and masks. Fast cure.
4760	metals, plastics, glass	40,000 - 60,000	52D	48%	UV, Visible	Potting, encapsulating, and bonding of electronic parts.

Windshield Repair Resin

Grade	Substrates	Viscosity at 25°C (cps)	Color	Refractive Index	Lap Shear Strength (psi)	Hardness	Application
4200	glass	6 - 10	clear	1.51	2000	75D	Low viscosity, wicking grade that penetrates to fill small hair line cracks.
4220	glass	18 - 22	clear	1.52	2650	75D	Low viscosity resin used for star, and bull's eye repair as well as small hair line cracks.
4240	glass	38 - 45	clear	1.52	2800	74D	Medium viscosity, used for long cracks, and star and bull's eye repairs.
4500	glass	1000	clear	1.505	3400	80D	High viscosity resin. Ideally designed as a pit filler.

INDIA :

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Glass Bonding Adhesives

Grade	Substrates	Viscosity at 25°C (cps)	Color	Refractive Index	Lap Shear Strength (psi)	Hardness	Application
4111	glass to glass, metals	4000 - 6000	clear	1.475	3675	72D	High viscosity, high strength glass to metal bonder. Wide range of industrial applications.
4116	glass, metals, plastics	80 - 120	clear	1.509	3450	70D	Low viscosity, wicking type, Low bubble formation with excellent flow. Multi-purpose.
4123	glass to glass, metals	300 - 500	clear	1.495	3750	68D	Ideal for decorative or structural glass bonding.
4127	glass, metals	800 - 1000	clear	1.495	3650	60D	Ideal for bonding glass bevels. Good flexibility and clarity.
4130	glass, metals	200 - 3500	clear	1.490	3850	65D	Suitable for wide variety of industrial applications. Strong adhesion to wide variety of metals.

Adhesives for Medical Devices

Grade	Substrates	Viscosity at 25°C (cps)	Color	Shore Hardness	Linear Shrinkage (%)	Elongation (%)	Application
4011	Plastics, steel	150-200	Clear	74D	1.2	12	Designed for bonding hypodermic needles into hubs.
4025	PC, PVC, PUR, PS, PETG, ABS	4,000 - 6,000	Clear	60D	1.0	42	Suitable for intravenous tube sets, oxygenators, reservoirs, diagnostics electronics.
4027	PC, PVC, PUR, PS, PETG, ABS	1,000 - 1,500	Clear	58D	1.2	42	Suitable for face masks, tube sets and fittings, breathing circuits, resuscitator bags.
4031	Highly plasticized PVC, PC, PU, PS	100 - 200	Clear	65D	1.1	28	Designed for breathing circuits, butterfly sets and masks.

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Adhesives for Plastic Bonding

Grade	Substrates	Viscosity at 25°C (cps)	Color	Shore Hardness	Linear Shrinkage (%)	Elongation (%)	Application
4311	PVC, PC, ABS, PU, PS, Steel	150 - 200	Clear	58D	1.8	23	Plastic window bonding. Appliance and plastic assembly.
4319	PMMA, PC, ABS, PVC, PS	50 - 70	Clear	65D	1.3	23	Acrylic display and sign. Plastic lamination, thermoform assembly.
4320	PET, PVC, PUR, PS, PETG, ABS, Steel	450 - 550	Clear	65D	1.3	23	Plastic lamination, plastic hosing assembly, plastic window bonding. Bonding and sealing.
4326	PMMA, PC, PETG, Glass	5000 - 7500	Clear	55D	1.2	45	Display assembly. Aerospace/automotive assembly. Electrical potting.
4332	PVC, PET, APET, RPET	3000 - 4000	Clear	45D	1.1	92	Clamshell packaging, blister packing. Bonding and sealing.

FIP/CIP Gaskets

Grade	Key Properties	Viscosity at 25°C (cps)	Shore Hardness	Elongation (%)	Application
4633	self-leveling, adhesion to metals, excellent resistance to water and chemicals	4000 - 6000	45 - 55D	60 - 90	Automotive starter and alternator, speaker assembly, sound dampening
4645	adhesion to plastics, glass and metals, flexible and soft	35000 - 45000	35 - 45D	110 - 150	Appliance housing, door handles, electronic devices
4652	non-flowable, adhesion to metals and plastics, flexible	Thixotropic gel	30 - 40	150 - 175	Appliance casings, electronic enclosures, HVAC duct work, fuel cells



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