

## 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



**PARSON ADHESIVES, INC.**

Phone: (248) 299 5585

Email: [sales@parsonadhesives.com](mailto:sales@parsonadhesives.com)

Website: [www.parsonadhesives.com](http://www.parsonadhesives.com)

Sales Office: 3345 W Auburn Road, Suite 107, Rochester Hills, MI, 48309, USA

Manufacturing Plant: 2545 Eastside Park Road, Evansville, IN, 47715, USA



# 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.

## 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.