



Preliminary Product Information Sheet

EPO-TEK® GD2191 (formerly 77-191)

Note: These are typical properties to be used as a guide only, not a specification. Data below is not guaranteed. Different batches, conditions and applications yield differing results.

Date:	September 2017	Recommended Cure: 80°C / 90 Minutes
Rev:	II	
No. of Components:	Two	Minimum Alternative Cure(s):
Mix Ratio by Weight:	1 : 1	<i>May not achieve performance properties listed below</i>
Specific Gravity:	Part A: 1.12 Part B: 2.50	150°C / 5 Minutes
Pot Life:	< 2 Days	120°C / 15 Minutes
Shelf Life- Bulk:	One year at room temperature	

NOTES:

- Container(s) should be kept closed when not in use.
- Filled systems should be stirred thoroughly before mixing and prior to use.
- Performance properties (rheology, conductivity, others) of the product may vary from those stated on the data sheet when bi-pak/syringe packaging or post-processing of any kind is performed. Epoxy's warranties shall not apply to any products that have been reprocessed or repackaged from Epoxy's delivered status/container into any other containers of any kind, including but not limited to syringes, bi-paks, cartridges, pouches, tubes, capsules, films or other packages.

Product Description: A two component, thermally conductive, electrically insulating epoxy with long pot life and adhesion to stainless steel.

MATERIAL CHARACTERISTICS*:

PHYSICAL PROPERTIES:	Cure condition: varies as required	
Color (before cure):	Part A: Tan	Part B: Beige
Consistency:	Smooth thixotropic paste	
Viscosity (23°C) @ 10 rpm:	18,102	cPs
Thixotropic Index:	2.8	
Glass Transition Temp:	78	°C (Dynamic Cure: 20-200°C/ISO 25 Min; Ramp -10-200°C @20°C/Min)
Shore D Hardness:	79	
Die Shear @ 23°C:	8.1	Kg
Degradation Temp:	375	°C
Weight Loss:		
	@ 200°C:	0.54 %
	@ 250°C:	1.53 %
	@ 300°C:	2.93 %
Suggested Operating Temperature:	< 250 °C (Intermittent)	
Particle Size:	≤ 45	microns

The data above is INITIAL only - it may be changed at any time, for any reason without notice to anyone. It is provided only as a guide for evaluation/consideration.

* These material characteristics are typical properties that are based on a limited number of samples/batches. All properties are based on the cure indicated above. Some properties may vary as manufactured quantities are scaled up to commercialized production levels.