Preliminary Product Information Sheet

EPO-TEK® OV2172 (*formerly 114-124-1*)

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 2018
Rev:	II
No. of Components:	Two
Mix Ratio by Weight:	3 : 1
Specific Gravity:	Part A: 1.15 Part B: 0.89
Pot Life:	4.5 Hours
Shelf Life- Bulk:	One year at room temperature

Recommended Cure: 80°C / 3 Hours

Minimum Alternative Cure(s):
May not achieve performance properties listed below
23°C / 2 Days

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.
- If product crystalizes in storage, place container in warm oven until crystallization disappears. Please refer to Tech Tip #7 on website.
- *TOTAL MASS SHOULD NOT EXCEED 225 GRAMS*

Product Description: Two component, room temperature curing epoxy featuring low viscosity and excellent optical-mechanical properties.

MATERIAL CHARACTERISTICS*:

PHYSICAL PROPERTIES:	**Cure condition:** 80°C / 3 Hours	
Color (before cure):	Part A: Clear/Colorless Part B: Clear/Colorless	
Consistency:	Pourable liquid	
Viscosity (23°C) @ 100 rpm:	692	cPs
Thixotropic Index:	N/A	
Glass Transition Temp:	87	°C (Dynamic Cure: 20-200°C/ISO 25 Min; Ramp -10-200°C @20°C/Min)
Shore D Hardness:	85	
Die Shear @ 23°C:	20	Kg
Degradation Temp:	357	°C
Weight Loss:		
@ 200°C:	0.02	%
@ 250°C:	0.21	%
@ 300°C:	1.96	%
Suggested Operating Temperature:	< 300	°C (Intermittent)

OPTICAL PROPERTIES @ 23°C:		
Spectral Transmission:	≥ 98% @ 360-2080	nm
Refractive Index:	1.5358@589	nm

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.

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