

TECHNICAL NOTE

<u>Title</u> : Outgassing data for PCB products <u>Technical note n°</u> : PCB-ER-022-Ext <u>Revision</u> : B, April 2025	ISSUED BY: Amphenol Socapex 948, Promenade de l'Arve - B.P. 29 74311 Thyez Cedex - France Tél. : +33 (0) 4 50 89 28 00 www.amphenol-socapex.com
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Dear Customer,

The following is a list of all the outgassing data collected by Amphenol Socapex on the plastics used in our active PCB products.

Material	Data Ref	TML	CVCM	Amphenol Socapex products
LCP Vectra A130	NASA GSFC17448	0.03%	0.00%	HDAS series housing SMASH series housing
LCP	NASA GSFC28828	0.06%	0.01%	Micro HDAS series housing
PEEK	NASA GSFC19615	0.18%	0.01%	Ring for cabling (contact A) in Micro HDAS series
DAP 5562	NASA GSFC30103	0.72%	0.00%	SIAL series housing SIHD series housing 127 / HE801-HE804-HE807 series housing 804SLD series housing
LEXAN 3413R	NASA GSFC19808	0.11%	0.00%	PD and PB fittings in 127 series
PEEK Viktrex 450G	NASA GSFC14250	0.30%	0.02%	105 fitting in HDAS series SC, DC, S and P fittings in 127 series 207, 213, 216, 226, 407, 413 and 426 fittings in HE801-HE804-HE807 series

NASA outgassing data was obtained by testing materials in accordance with the standard test method for total mass loss (TML) and collected volatile condensable materials (CVCM) from outgassing in a vacuum environment: ASTM-E595.

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The communication of Technical Note is punctual on internal decision or after request from customer.

Materials are considered as “Low outgassing” by NASA if:

- TML \leq 1.00%
- CVCM \leq 0.10%

All information is listed in the following database: <https://outgassing.nasa.gov>.

If you need further information or do not find the required material, please contact us at <https://support.amphenol-socapex.com/>.