

LUVOCOM® 1880 Product Line

Compounds based on LCP

LUVOCOM 1880 is our newly developed and globally manufactured LCP series. This product line includes specialties such as electrically and thermally conductive grades. The 1880 series is used for applications which require high precision, outstanding material flowability and / or high temperature resistance.

Typical Properties

- Inherently flame retardant
- High dimensional stability
- High temperature resistance
- High flowability

LEHVOSS Specific Material Characteristics

- Our carbon fiber know-how led to unique LCP CF properties, and we set new limits with these grades.
- Beside the CF compounds we implemented low warp and thermally conductive compounds to our portfolio.
- Our filler know-how led to high flowability formulations which also allow tight dimensional tolerances.

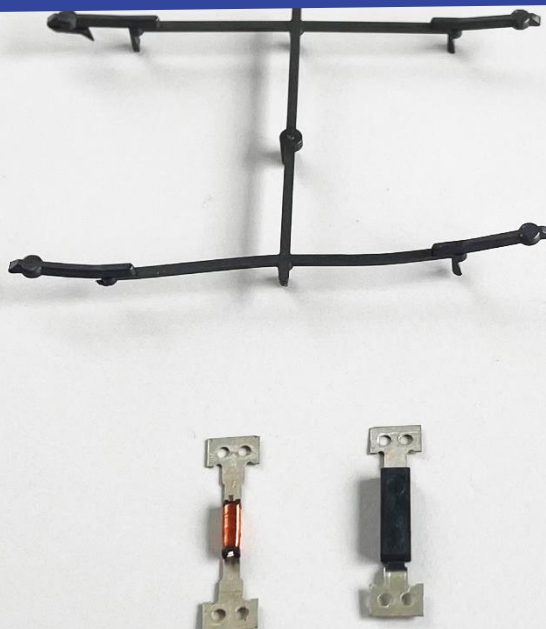
LUVOCOM 1880 Material Portfolio

LUVOCOM	Polymer / modification	Tensile strength [MPa]	Tensile modulus [MPa]	HDT A [°C]	Purpose
1880-8821	LCP M/BN	68	13,000	240	Thermally conductive
1880-50622	LCP CF	185	34,000	250	Electrically conductive / Ultra high precision
1880-50627	LCP PTFE	90	9,000	220	Tribological modified
1880-50628	LCP M	110	8,000	220	Thermally conductive / High precision
1880-50629/BK	LCP M	95	9,000	220	High precision
1880-50630/NT	LCP M	100	9,000	220	Thermally conductive / High precision
1880-50926/BK	LCP GF/M	145	16,000	260	Low warp

M – Mineral filled, BN – Boron nitride, CF – Carbon fiber,



Materializing
Ideas



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