

1974

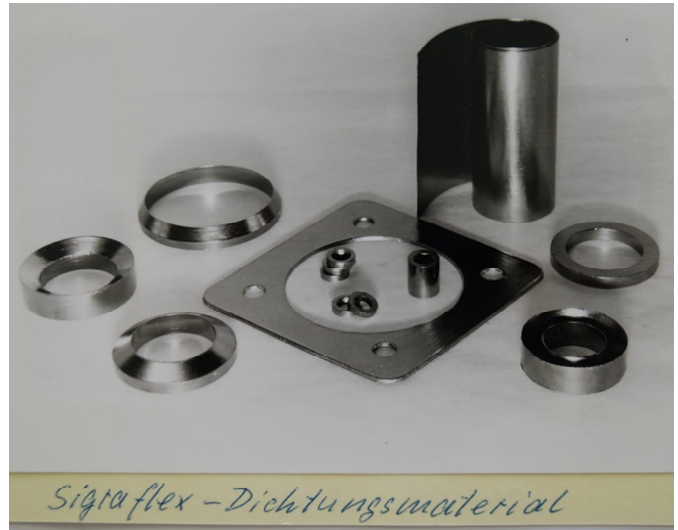
SIGRAFLEX®
50
1972
2022

The SIGRAFLEX® portfolio grows and gains in importance

SIGRI Sales continuously looked for further fields of application for SIGRAFLEX, but whilst the R&D department also worked on broadening the product portfolio.

In 1974, the SIGRAFLEX portfolio already consisted of graphite foil products (SIGRAFLEX F), laminates (SIGRAFLEX L) and expanded graphite (SIGRAFLEX E):

- Foils were used to produce flat gaskets and packing rings. For flat gaskets with large diameters, foil is superior to other materials because overlapping joints can be pressed together to form a homogeneous gasket and thus have no weak points at the joints.
- For the manufacturing of laminates several foil layers were pressed together without the use of a binder. The laminates are stiffer than the foils, but otherwise they have the same properties. SIGRAFLEX L was recommended to produce gland packings as well as thermal insulation and electric heating elements.
- SIGRAFLEX E was mainly used for producing molded parts.



SIGRAFLEX sealing materials

SIGRI ELEKTROGRAPHIT
GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG

8400 WEITINGEN BEI AUGSBURG
Februar 1974

SIGRAFLEX - Standardqualitäten

Qualität	Rohdichte [g/cm ³]	Dicke (mm)	lieferbare Abmessungen	Verwendung	Richtpreise
SIGRAFLEX - F	1,0	0,15	500 mm x 50 m	Flachdichtungen	ca. DM 350,-/kg
	1,0	0,25			
	1,0	0,35			
	0,7	0,5	Folienbänder Bandbreite ab 5mm Bandlänge bis 50m	zum Verpressen zu Packungen Einlage in Spiraldichtungen	ca. DM 350,-/kg + Bearbeitungszuschlag
SIGRAFLEX - L	0,3	2,0	500 x 1000 mm	Flachdichtungen	DM 350,-/kg
		1,0			
		1,0			
		1,0			
SIGRAFLEX - E	Schüttgewicht 25 g/l			Pulver zum Verpressen zu Packungen	DM 200,-/kg

SIGRAFLEX portfolio and price list in 1974



Cylinder head gasket made from SIGRAFLEX flexible graphite foil

First large-scale order for SIGRAFLEX foil for cylinder head gaskets for a new Honda Civic model

In 1974, SIGRI ELEKTROGRAPHIT received the first large scale order for flexible graphite foil from the Japanese gasket manufacturer Nippon Leakless. The order volume was 30 t of foil per year. Nippon Leakless processed the foil in Japan into cylinder head gaskets for a new engine with a different combustion configuration for the Honda Civic.