



LIANYI Rubber Components Co., Ltd. is one of the largest manufacturers of Plate Heat Exchanger Gaskets in China. PHE Gaskets are the products we are specialized in studying designing and manufacturing. 1,200,000 gaskets from 0.01 to 3 m² are produced annually with ISO9001-2000 and ISO14001-2004 approval.

Our experts offer unsurpassed compound capability and work out suitable polymers according to your request or the working conditions. Each batch of compound is tested by our company laboratory for accurate properties prior manufacturing. All gasket moulds are created within our own engineering department exact dimensions are strictly adhered when the moulds are manufactured by our computerized machining centre.

Since the very start of our company we have formed the faith that quality is the way for our life, this is the reason Lianyi has grown to one of the leading PHE gaskets suppliers in China for more than 40 PHE manufacturers at home and abroad . We wish all the customers served will be our partners on the path of progress and growth.

LIANYI Rubber.com



LIANYI RUBBER COMPONENTS CO., LTD.

www.lianyirubber.com

***Not Just a Manufacturer or Supplier
But a Partner on the Way of Progress***



Company Laboratory

Our company laboratory is charged with the responsibility of testing each batch of compound for accurate properties prior manufacturing.





Marine Industry

LIANYI has supplied Gaskets to the plate heat exchangers and water desalination units that are used by major shipyards and major ship-owners for civil and military purpose.

The main PHE Gaskets applications in the marine industry are:

- Central fresh water coolers
- Low temperature fresh water coolers
- High temperature fresh water coolers
- Lube oil coolers
- Camshaft lube oil pre-heaters
- Fuel oil pre-heaters
- Lube oil pre-heaters

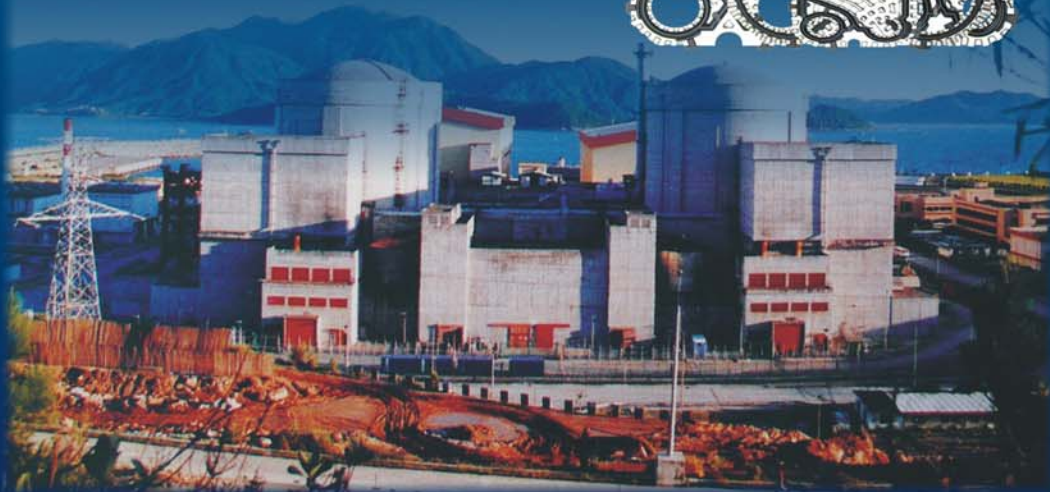
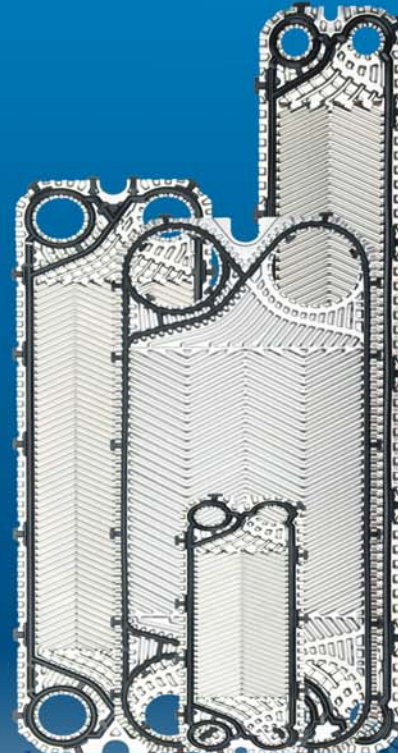


Nuclear Power Plant

LIANYI has supplied Gaskets to the plate heat exchangers that are used on nuclear power equipment made in China.

The PHE Gaskets applications in the Nuclear Power Plant are:

- Radiation resistance NBR PHE Gaskets
- Conventional island water cooling system
- Nuclear island portion water cooling system



Primary Products

- Plate Heat Exchanger Gaskets
- Plate Heat Exchanger Rubber Lining
- Plate Heat Exchanger Plates
- PHE Plates Pressing Dies



Produced with ISO9001-2000 and ISO14000-2004 approval

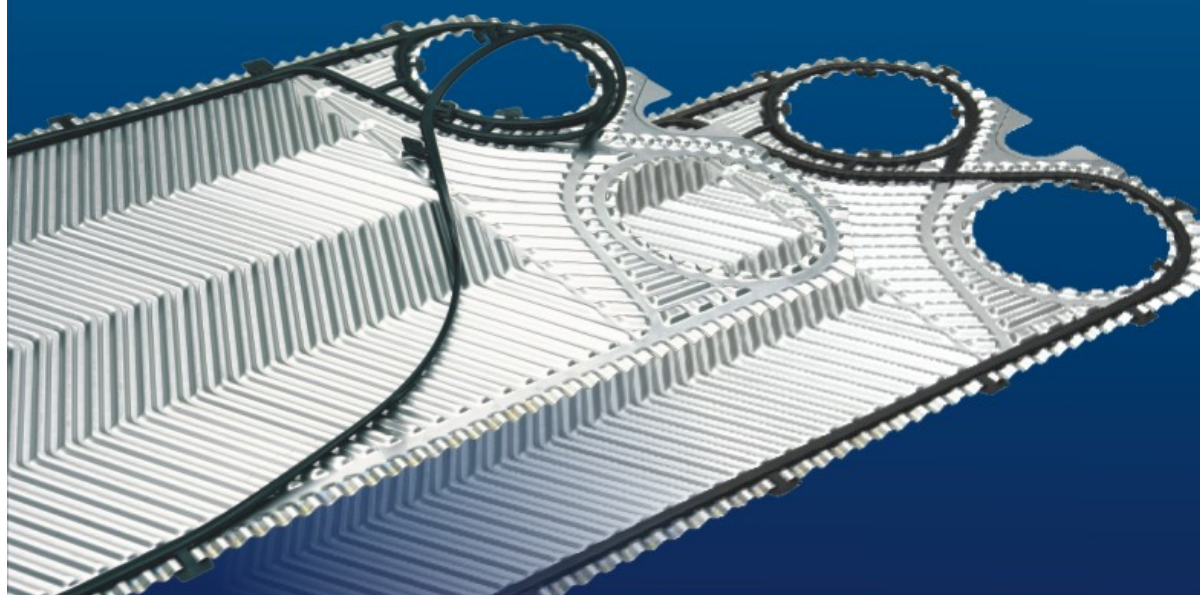
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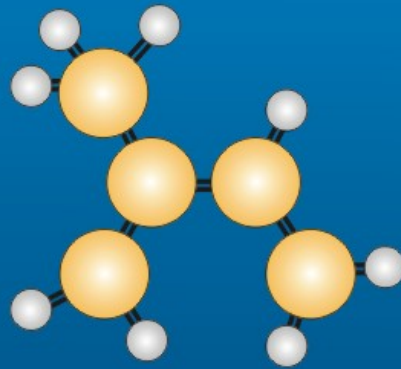
Plate Heat Exchanger Gaskets

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Available Gasket Polymers

- NBR
- HNBR
- EPDM
- EPDM-HT
- FKM
- VITON
- NEOPRENE
- BUTYL



Property	NBR	EPDM	Test standard
Hardness (IRHD, Shore A)	81	80	ISO7619
Compression Set %	10.8	10.5	ISO815
Tensile strength at break MPa	23.4	15.2	ISO37
Elongation at break %	248.2	201.1	ISO37
Tear strength (Kn/m)	46.6	24.6	ISO34

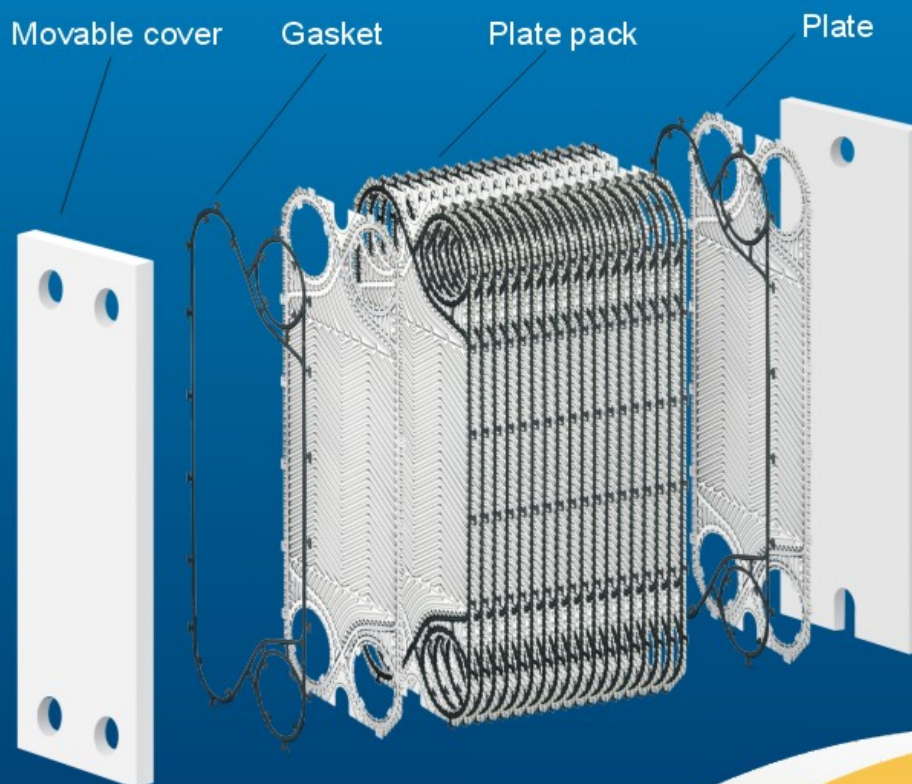
PLATE MATERIALS:

- AISI 304
- AISI 316
- 254 SMO
- Titanium



**HEATING TRANSFER PLATES
AND PRESSING DIES**

PLATE HEAT EXCHANGERS AND PHE PARTS



Critical Essences for the Gasket

Incompressibility The rubber compound can change shape after being squeezed it will return to its original vulcanized shape.

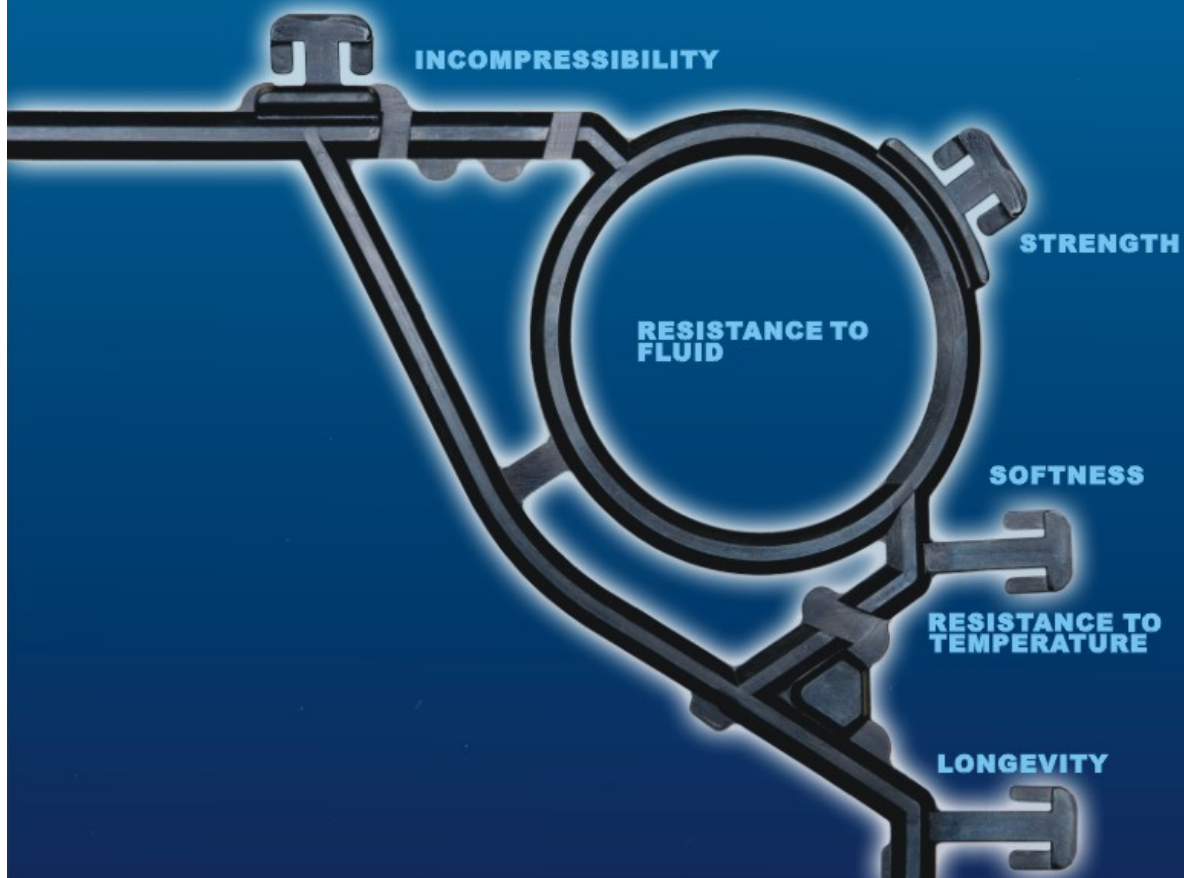
Strength It is strong enough to withstand the forces normally incurred by squeezing into position and being acted upon by pressurized liquid.

Softness The rubber is strong enough for the application but still soft enough to conform closely to the metal surfaces and provides a seal without undue stresses being applied.

Resistance to Fluid The high molecular weight, cross linked polymer matrix is resistant to penetration by any fluid of a dissimilar chemical nature to itself.

Resistance to Temperature All polymers will only behave as a rubber over a relatively short range of temperature. Thus careful selection of the compound according to the required temperature range is necessary.

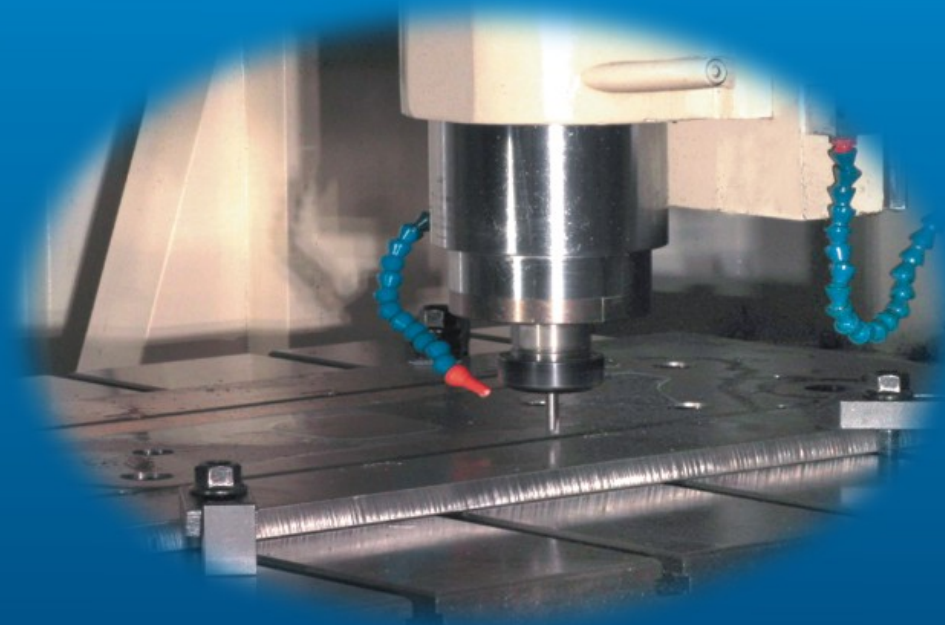
Longevity Synthetic polymers have a built in superiority in terms of useful lifetime, and modern additives can further enhance this property. It is in this area that the correct compound selection is of vital importance.



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MACHINING CENTER FOR MOULD CREATING



MOULD BANK

