

Power Transmission Flat Belt - **PEX**



ELGITEX

Total
Belting
Solutions



The Flat Belts - PEX

Flat belts featuring a polyester fabric tension member are the best choice for many applications. They are particularly flexible and strong. ELGITEX Flat belt PEX with a tension member made with polyester fabric reinforcement layer easily withstand high circumferential stress with simultaneously short take-up ranges. In addition, they are shock-resistant and not susceptible to fluctuations in working temperature.

Outstanding Belt properties that set them apart from conventional Polyamide belts. Their exceptional power transmission, maximum belt speeds and reduced belt creep enable energy-efficient, environmentally friendly operation.

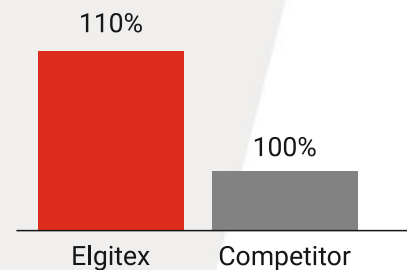
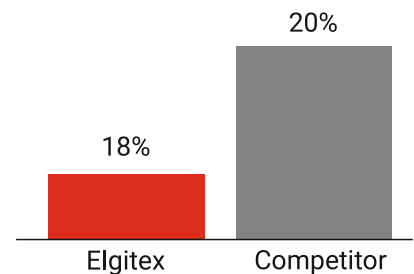
Energy Conservation

ELGI TEX PEX belts consumes less energy due to high flexible intermediate layers which is designed to have improved belt flexibility. PEX belts are precisely manufactured to retain the flexibility throughout the belt life hence extending the power saving benefits to the customer.

4% to 6% Power saving in comparison to conventional Polyamide belts.

Shaft Load

The ELGITEX PEX belts are carefully designed in such a way that the tensile member properties are retained throughout the belt service life which in turn ensures uniform shaft load even at extreme working conditions. This helps the drive to have constant tension throughout the belt life cycle.

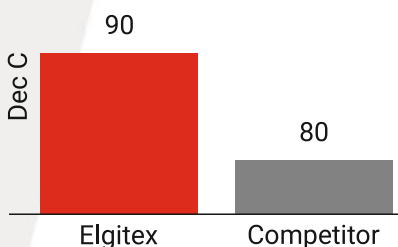


Better inter layer adhesion

The advanced material design and the stringent manufacturing process of ELGITEX PEX belts are the key reason to attain higher interlayer bonding, which helps the customer to have extended life compared to other belts.

Flex Fatigue Resistance

ELGITEX PEX belts are designed to withstand high speed machines with small pulleys and reverse bending circuits, in turn having higher belt life. The performance materials are designed to sustain any sorts of severe bending and belt flexing conditions. Ensuring higher belt service life.

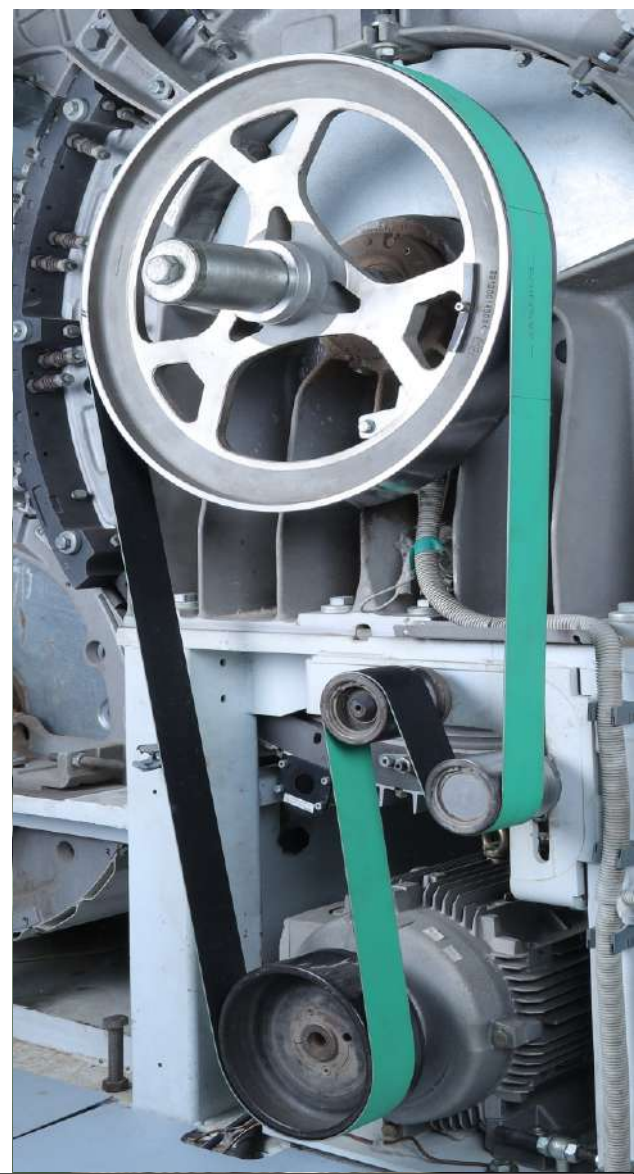
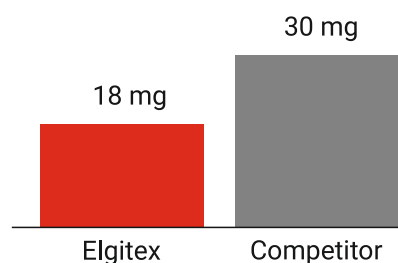


Temperature stability

Intermediate layers of ELGITEX PEX belts are specially designed provide better temperature stability compared to any other competition.

Abrasion resistance

New generation elastomeric material gives the best abrasion resistance which is well above the existing belts used in these segments.



Coefficient of friction

Precisely formulated rubber ensures uniform coefficient of friction throughout the belt life cycle and lesser surface glazing.

Antistatic properties

ELGITEX PEX belts layers are made with excellent conductive layers which discharge the electrostatic charges generated during any working conditions.

Operating noise

ELGITEX PEX belts are manufactured under highly controlled process ensures very good dimensional stability which helps to avoid noise generation during belt operations.



Product Range

Product Type	K%, N/mm	Thickness, mm
PEX 0515	5	1.5
PEX 1020	10	2.0
PEX 1520	15	2.0
PEX 1025	10	2.5
PEX 1825	18	2.5
PEX 1830	18	3.0
PEX 1835	18	3.5
PEX 2530	25	3.0



An ISO 9001 Company

ELGI ULTRA PRIVATE LIMITED

India House, Trichy Road, Coimbatore - 641 018. Ph: 0422 - 2304141
E-mail: info@elgiultra.com Web: www.elgitex.com

