



INTRODUCING VICTREX CT™ 200 POLYMER

IMPROVE YOUR SEALING VS. PCTFE
IN CRYOGENIC CONDITIONS



Higher tensile strength coupled with lower modulus confirms more ductility across a wider range of temperatures; testing at -196°C to $+150^{\circ}\text{C}$ indicates better sealing capabilities



Lower and constant coefficient of thermal expansion ensures more dimensional stability and minimizes the shrinkage at low temperatures



Higher thermal conductivity permits a faster reaction to temperature changes allowing the seat seal to keep interference with the steel counter-surface at all time – contributing to more consistent sealing



Lower static and dynamic coefficient of friction helps minimize torque and wear allowing smaller actuators and saving space and weight



Looking to make a change from PCTFE? Ask us to assist you with your cost-benefits analysis to help you justify the switch to VICTREX CT™ 200 polymer and start realizing the benefits and savings



ENERGY



SHAPING THE FUTURE OF CRYOGENIC SEALING COMPONENTS



The production of natural gas continues to grow globally, representing 22% of the global energy consumption in 2017¹. Liquefied Natural Gas (LNG) provides a range of low temperature engineering challenges to the industry. According to EN / ISO 16903², many common materials fail in a brittle manner when they are exposed to these very low temperatures.

Given our decades of experience in delivering innovative PAEK solutions for the Energy industry, Victrex understands the need for reliability and efficiency in harsh conditions. With the introduction of a new cryogenic grade, VICTREX CT 200 polymer offers processors and end-users a tailor-made solution to address the challenges of dynamic low temperature environments. Victrex sealing material solutions are designed and tested for proven performance in cryogenic environments offering more consistent and reliable sealing across a broad temperature range compared to fluoropolymers.

ASK US HOW VICTREX CT 200 CAN IMPROVE RELIABILITY IN CRYOGENIC SEALING COMPONENTS

victrex.com/CT200

1 - Enerdata Energy Statistical Yearbook 2018

2 - ISO 16903:2015. Petroleum and natural gas industries – Characteristics of LNG, influencing the design, and material selection

Any product claims or statements can be supported by data which are available on request