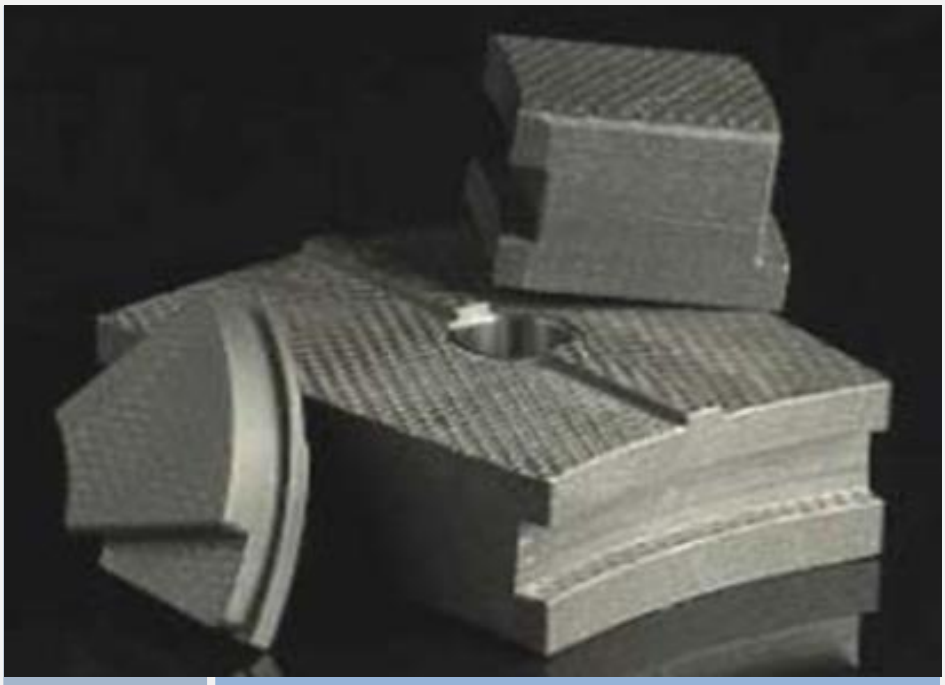
LANSON POLYMERS
Engineering Solutions



PCF103

DESCRIPTION:

A composite material consisting of woven carbon fibre pre- pregnated with a PEEK polymer matrix. PCF103 thrust pads are an ideal replacement for carbon, ceramic, metal or bronze. The high temperature (225°C) and load capability, combined with increased dimensional stability over competitors materials, make them an ideal thrust choice.

FEATURES:

- ***Enhanced stability***
- ***Chemical resistance***
- ***High temperature capability***
- ***Excellent shock and impact resistance***
- ***Superior wear resistance***

PCF103 – Product data

TYPICAL PROPERTIES – PCF103

Property	Typical Values	ASTM Method
COLOUR	*BLACK*	
SPECIFIC GRAVITY	*1.54 g/cm³*	*ASTM D792*
TENSILE STRENGTH	*650 MPa*	*ASTM D638*
COMPRESSIVE STRENGTH	*750 MPa*	*ASTM D638*
ELONGATION @ BREAK	*1.2 %*	*ASTM D638*
FLEXURAL STRENGTH	*850 MPa*	*ASTM D790*
COEFFICIENT OF THERMAL EXPANSION *X-Y* *Z*	 *4 x 10-6 °C-1* *35 x 10-6 °C-1*	*ASTM D696*
MAX CONT.OPERATING TEMP	*255°C*	

Statements and recommendations in this publication are based on our experience and knowledge of typical applications of this product and shall not constitute a guarantee of performance.

CONTACT US:
Lanson Polymers Limited
The Millennium Building
The Dairy Farm, Pinkney Park
Malmesbury Wiltshire SN16 0NX
Tel: +44 (0)1666 825559
Fax: +44 (0)1666 841695

Email: enquiries@lansonpolymers.com
www.lansonpolymers.com