APPROVAL CERTIFIC

This is to certify, that the undernoted products have been approved in accordance with the relevant requirements of the DNV GL Approval System.

Certificate No.

13 560 - 14 HH

Company

Triangle Fluid Controls Ltd.

399 College St E

Belleville, Ontario, K8N 5S7, CANADA

Glas filled PTFE gasket material

Product

Type

Durlon 9000

Application Technical Data /

Durlon 9000 is a gasket material based on PTFE resin with inorganic filler and manufactured in compressed sheets with thicknesses 0,5 up to 6,0mm. Appearance:

blue color – for Durlon 9000

Appearance: Filler System: Density:

inorganic 2,2 [g/cm3] 8 - 16 [%]

Compressibility (ASTM F36): 8 - 16 [%]

Recovery (ASTM F36): 40 [%]

Tensile Strength, across grain (ASTM F152): 13,8 [MPa]

NOTE 1: The above specified data are for gaskets with 1/16" (1,6mm)

Creep Relaxation (ASTM F38): 30 [%] for gaskets with 1/32'' (0,8mm) thickness

Temperature:

min. -212°C, max. 271°C, c 68 bar continuous max. 260°C

68 bar
NOTE 2: The recommended temperatures and pressures applicable for different thicknesses and media are to be according manufacturer's

RANGE OF A APPLICATION:

The gaskets may be used under consideration of the mechanical and physical properties as well as the chemical resistance as follows:
- Ship's piping systems excluding cargo lines on Chemical and Gas Tankers carrying propylene oxide and mixtures of ethylene / propylene oxide.
- Maximum alforbable working pressure and temperature according to the

specification of the manufacturer.

SOLAS 74 as amended - Chapter II-1-Reg.3.5.2 -

asbestos free compliance,

Approval Standard

Documents

- Asbestos-free cert. of analysis no. b114953 dd. 2014-12-18 (PINCHIN);
- Asbestos-free declaration by the manufacturer/Certificate of Conformance dated 2014-10-17;
- Test Report dated 2014-03-03;
- Initial Survey and Audit Report (DNV GL Montreal) dated 2015-03-05;
- QMS-Cert.(ISO 9001:2008) no. C0031999-IS3 dated 2013-04-19;
- Specification brochure Durlon 9000 Rev.2013-3;
- GL Approval Ref.no: 14-097322.

The selection of the gaskets for the corresponding application and the correct installation are to be in accordance with the instructions of the

Valid until 2020-03-10

File No. XI.B.03 of

Hamburg, 2015-03-11

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Plamen Dinkov