

APPROVAL CERTIFICATE

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
Product	Glas filled PTFE gasket material
Type	Durlon 9000
Technical Data / Application	<p>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.</p> <p>Appearance: blue color – for Durlon 9000 Filler System: inorganic Density: 2,2 [g/cm³] 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) thickness. Creep Relaxation (ASTM F38): 30 [%] for gaskets with 1/32" (0,8mm) thickness Temperature: min. -212°C, max. 271°C, continuous max. 260°C Working pressure: 68 bar NOTE 2: The recommended temperatures and pressures applicable for different thicknesses and media are to be according manufacturer's instructions. RANGE OF 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 allowable working pressure and temperature according to the specification of the manufacturer.</p>
Approval Standard	SOLAS 74 as amended – Chapter II-1-Reg.3.5.2 – asbestos free compliance, ASTM F36, F38, F152.
Documents	<ul style="list-style-type: none"> - 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.
Remarks	The selection of the gaskets for the corresponding application and the correct installation are to be in accordance with the instructions of the manufacturer.

Valid until **2020-03-10**

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File No. **XI.B.03**

Hamburg, 2015-03-11

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