

SPECIFICATION DATA SHEET



N-8094

Syntheseal®/Nonasbestos Gasket Material
F729900E99M9

DESCRIPTION

N-8094 is a medium density material that conforms well to irregular flange surfaces and has very good crush resistance at high flange pressures. It is intended for sealing oils, fuels, and water in applications with short duration maximum temperatures up to 180°C (350°F).

SPECIFICATION PROPERTIES

Property	Value	Method
Density, g/cc(lb/cu.ft)	0.87 (54) (min.)	ASTM F 1315
Compressibility, % (at 34.5MPa)	28 - 42	ASTM F 36
Recovery, %	20 (min.)	ASTM F 36
Tensile Strength, AMD, MPa(psi) 1.0mm Gauge and Higher Less than 1.0mm Gauge	6.9 (1000) (min.) 8.62 (1250) (min.)	ASTM F 152
Fluid Resistance, IRM903 Oil Change in Tensile Strength, % Change in Thickness, % Change in Compressibility, %	30 (max.) 20 (max.) 30 - 45	ASTM F 146
Fluid Resistance, Fuel B Change in Thickness, % Change in Weight, %	20 (max.) 25 - 50	ASTM F 146
Binder Type	Nitrile Butadiene	

REMARKS AND RELATED DOCUMENTS

Specification values determined by the test methods required for ASTM F-104, Type 7 materials.

SPECIFICATION DATA SHEET



N-8094

Syntheseal®/Nonasbestos Gasket Material

F729900E99M9

Revision	Requester	Description of Change	Director of Product Engineering	Global Sales Director	Segment Manager	Date of Change
0	Initial Data Sheet					
A	L. Gindlesperger	Updated Data Sheet Template with Company Logo, Company Locations, and added 2nd page with Change Log.	N/A	N/A	R. Lavertu	5/28/21
B	M. Janssen	Updated IRM903 & Fuel B immersion, thickness changes, to 20% max to align with N8092	M. Janssen	T. Donahue	R. Lavertu	12/20/22

Interface Performance Materials®, EnCore®, Hydro-Fused®, MicroPore®, Pro-Formance®, Select-a-Seal®, Syntheseal®, Thermo-Tork®, and Voltoid® are registered trademarks of Lydall Performance Materials (US), Inc.

WARNING: The description and performance data provided herein constitute a material specification for quality control purposes, but do not imply suitability for use in a specific application. Your specific application should not be undertaken without independent study and evaluation for suitability. Failure to select proper sealing products may result in either property damage or personal injury. For specific application recommendations, contact Lydall Performance Materials (US), inc. (LPM).

LPM EXPRESSLY DISCLAIMS ALL WARRANTIES EITHER EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL LPM BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES, HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THE INFORMATION CONTAINED IN ITS SPECIFICATION DATA SHEETS, ITS PRODUCTS OR THEIR FUTURE USE BY YOU OR ANY THIRD PARTIES, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Form N-8094
Effective 12/22
© 2022 Alkegen
All Rights Reserved
Page 2 of 2

Alkegen
5215 N. O'Connor Blvd, Suite 2300
Irving, TX 75039
Internet: www.Alkegen.com
Email: info@Alkegen.com

ALKEGEN