

RN-8011

Standard/Nonasbestos Gasket Material
F339099E09M9

Description

RN-8011 is a low density cellulose fiber material with high rubber filler content and a nitrile butadiene rubber binder. It provides excellent sealing of oil and water at low flange pressures, and is used primarily for engine and transmission pan gaskets, water pumps, and environmental seals. It is intended for applications with short duration maximum temperatures up to 180°C (350°F).

Specification Properties

Property	Value	Method
Density, g/cc(lb/cu.ft)	0.61 (38) (min.)	ASTM F 1315
Compressibility, % (at 6.9MPa)	35 - 60	ASTM F 36
Recovery, %	15 (min.)	ASTM F 36
Tensile Strength, AMD, MPa(psi)	1.52 (220) (min.)	ASTM F 152
Fluid Resistance, IRM903 Oil		ASTM F 146
Change in Weight, %	120 (max.)	
Fluid Resistance, Fuel B		ASTM F 146
Change in Weight, %	120 (max.)	
Fluid Resistance, Distilled Water		ASTM F 146
Change in Weight, %	45 (max.)	
Binder Type	Nitrile Butadiene	

For more information, please visit
www.lydallpm.com or email AE@lydall.com

TECHNICAL CENTER
Lydall Performance Materials (US), Inc.
215 Wohlsen Way
Lancaster, PA 17603
USA
+1.717.207.6000

ASIA PACIFIC
Lydall Performance Materials
Interface Sealing Solutions Shanghai Co., LTD
Unit 14F, No. 728
Yan An Road West, Changning District
Shanghai 200050
China
+8621.5238.5650

INDIA
Lydall Performance Materials India LLP
Mandkola Road, Vill. Atta, Sohna,
Distt: Mewat, Nuh-122103 (Haryana)
+91 8930992166

EUROPE
Lydall Performance Materials Europe
Maison Lili Pean
64240 Bonloc
France
+33 (0) 5.59.29.12.20

Remarks and Related Documents

Specification values determined by the test methods required for ASTM F-104, Type 3 materials.

Interface Performance Materials®, EnCore®, Hydro-Fused®, MicroPore®, Pro-Formance®, Select-a-Seal®, Synthesseal®, 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.

Revised 05/28/21

©2021 Interface is a trademark of Lydall, Inc. All rights reserved.

Interface
A Lydall Brand

SPECIFICATION DATA SHEET

RN-8011

Standard/Nonasbestos Gasket Material

F339099E09M9

Revision	Requester	Description of Change	Director of Product Engineering	Regional Sales Director	Segment Manager	Date of Change
0	Initial Data Sheet					
A	T. Donahue	Removed "RN-8011 has UL component recognition" from Description	B. Lehr	T. Donahue	R. Lavertu	4/27/21
B	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

Interface Performance Materials®, EnCore®, Hydro-Fused®, MicroPore®, Pro-Formance®, Select-a-Seal®, Synthesseal®, 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.