

SAS-814

Select-a-Seal®/Rubber Edged Composite Gasket

Description

SAS-814 combines a super-duty fiber carrier with a polyacrylic edge sealing bead. It is used for sealing oil, axle lube, and some hydraulic fluid applications that require resistance to high internal pressures, high compression and/or shear forces, or high temperatures. Typical applications include heavy duty/diesel engine structural joints and automotive axle, transmission, and transfer case connections, with continuous service temperatures up to 150°C (300°F).

Specification Properties

Property	Value	Method
Carrier Material	SAS-8	
General Description of Carrier	High density, fully cured nitrile butadiene and thermoset resin bound material with Aramid fiber blend.	
Caliper, mm(inch)	0.5, 0.8, 1.0, 1.2, 1.6 (0.020, 0.031, 0.039, 0.047, 0.062)	ASTM F 104
Density, g/cc(lb/cu.ft)	1.45 (90.5) (min.)	ASTM F 1315
Compressibility, % (at 34.5MPa)	7 - 17	ASTM F 36
Recovery, %	40 (min.)	ASTM F 36
Tensile Strength, AMD, MPa(psi)	24.10 (3500) (min.)	ASTM F 152
Polymer Edge	SAS-14	
General Description of Polymer	Polyacrylic Blend, generally used for oil and ATF applications.	
ASTM Classification	M1DA302	ASTM D 2000
Temperature Rating, °C(°F)	150 (300)	ASTM D 2000
Durometer Hardness, Type A	20 - 30	ASTM D 2240
Tensile Strength, Initial, MPa(psi)	2 (290) (min.)	ASTM D 412
Edge Height	Specified on part drawing.	ISI M10.4X102

Remarks and Related Documents

Carrier specification values determined by the test methods required for ASTM F-104, Type 7 materials. Carrier is available with release coating per ISI 123316. Carrier caliper and release coating, and polymer edge height are specified on part drawing.

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.

Revised 09/24/19

Form SPDS-01 09/17/19

©2019 Lydall Performance Materials (US), Inc.

For more information, please visit www.InterfaceMaterials.com or contact

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

NORTH AMERICAN SALES OFFICE
Lydall Performance Materials (US), Inc.
22260 Haggerty Road, Suite 200
Northville, MI 48167
USA
+1.248.596.2880

ASIA PACIFIC
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

GERMANY
Lydall Performance Materials Altenkirchen
GmbH
Koblenzer Straße
57610 Altenkirchen
Germany
+49 26818002-0

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

Interface
Performance Materials