**NV-519**

**Standard/Nonasbestos Gasket Material**

**F332949M8**

**Description**

NV-519 is a cellulose fiber material with thermoset resin and nitrile butadiene rubber binder. It has excellent tensile strength, crush resistance, and erosion resistance against high volume fluid flow and impingement. It is used primarily in automatic transmission valve body, pump, and accumulator/channel plate applications as well as carburetors and air compressors. It is intended for use in applications with short duration maximum temperatures up to 180°C (350°F).

**Specification Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density, g/cc(lb/cu.ft)</td>
<td>0.96 (60) (min.)</td>
<td>ASTM F 1315</td>
</tr>
<tr>
<td>Compressibility, % (at 6.9MPa)</td>
<td>5 - 15</td>
<td>ASTM F 36</td>
</tr>
<tr>
<td>Recovery, %</td>
<td>60 (min.)</td>
<td>ASTM F 36</td>
</tr>
<tr>
<td>Tensile Strength, AMD, MPa/(psi)</td>
<td>27.59 (4000) (min.)</td>
<td>ASTM F 152</td>
</tr>
<tr>
<td>Fluid Resistance, IRM903 Oil</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Change in Thickness, %</td>
<td>10 (max.)</td>
<td>ASTM F 146</td>
</tr>
<tr>
<td>Change in Weight, %</td>
<td>30 (max.)</td>
<td></td>
</tr>
<tr>
<td>Fluid Resistance, Dexron VI</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Change in Thickness, %</td>
<td>10 (max.)</td>
<td>ASTM F 146</td>
</tr>
<tr>
<td>Change in Weight, %</td>
<td>30 (max.)</td>
<td></td>
</tr>
<tr>
<td>Fluid Resistance, Distilled Water</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Change in Thickness, %</td>
<td>70 (max.)</td>
<td>ASTM F 146</td>
</tr>
<tr>
<td>Change in Weight, %</td>
<td>70 (max.)</td>
<td></td>
</tr>
<tr>
<td>Binder Type</td>
<td>Fully Cured Nitrile Butadiene</td>
<td></td>
</tr>
</tbody>
</table>

**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®, Syntheseal®, Thermo-Tork®, and Voltoid® are registered trademarks of 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

**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.