

- Products
- Service and Support
- About Us
- Where to Buy
- Contact Us

HFL-971

Home » HFL-971

 PRINT THIS PAGE
 PDF VERSION

Specification Data Sheet



HFL-971

Hydro-Fused®/Nonasbestos Gasket Material
 F729900E39M9

Description:

HFL-971 is a high density material with a combination of fully cured nitrile butadiene binder and thermoset resin for superior mechanical strength in heavy-duty applications. It has exceptional tensile strength, crush resistance, blowout resistance, erosion resistance, and resistance to shear and friction damage in dynamic joints. It is intended for applications sealing transmission fluid, axle lube, oil, fuel, coolant, water, and steam with short duration maximum temperatures up to 350°C (650°F).

Property:	Specification:	Method:
Density, g/cc(lb/cu.ft)	1.50 (93.5) (min.)	ASTM F 1315
Compressibility, % (at 34.5MPa)	7 - 17	ASTM F 36
Recovery, %	40 (min.)	ASTM F 36
Tensile Strength, AMD, MPa(psi)		ASTM F 152
Less Than 0.4mm Gauge	12.40 (1800) (min.)	
0.4mm Gauge Only	24.10 (3500) (min.)	
All Other Gauges	27.50 (3985) (min.)	
Flexibility, Mandrel Bend, 12 X Ga.	No Cracks	ASTM F 147
Fluid Resistance, IRM903 Oil		ASTM F 146
Change in Thickness, %	20 (max.)	
Fluid Resistance, Fuel B		ASTM F 146
Change in Thickness, %	20 (max.)	
Change in Weight, %	20 (max.)	
Binder Type	Fully Cured Nitrile Butadiene Rubber	

Remarks and Related Documents:

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

Hydro-Fused, MicroPore, Pro-Formance, Syntheseal, Thermo-Tork, Select-a-Seal and Voltoid are registered trademarks of Interface Solutions, 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 Interface Solutions. INTERFACE SOLUTIONS 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 ISI 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.

Customer Service Contacts:

North America, Interface Solutions, Inc.
 22260 Haggerty Road, Suite 200
 Northville, MI 48167 USA

Tel: 800 9GASKET (800-942-7538)
 Tel: (Outside USA) 1-248-596-2800
 Fax: 248-596-2880

Korea, Interface Solutions
 Room 406, Office Line, #401 Green Plaza,, 19-2
 Soonae-Dong, Boondang-Gu, Seongnam-City, Kyunggi-Do
 South Korea, 463-825

Tel: +82-31-716-1923
 Fax: +82-31-716-7235

Corporate Headquarters

Interface Solutions, Inc.
216 Wohlsen Way
Lancaster, PA 17603-4043
717-207-6000
WWW.SEALINFO.COM

Previous Revision Date: 05-16-2006
Latest Revision Date: 05-16-2006

[▲ BACK TO TOP](#)