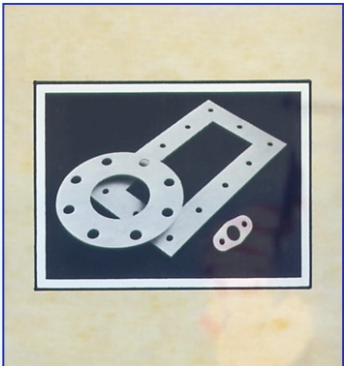




## MIL-DTL-24696D TY 2 - Compressed Sheet with Aramid Fibers/SBR Binder



### CONSTRUCTION

**MIL-DTL-24696D TY 2** is a compressed non-asbestos sheet gasket material produced from a combination of Aramid Fiber, Inorganic Fillers and bonded with Styrene-Butadiene Rubber (SBR). It is manufactured under rigorous quality control standards that are registered under ISO-9001 certification.

### APPLICATION / SERVICE

**MIL-DTL-24696D TY 2** is a very good general service gasket material that has numerous applications in the process industries and in the water and wastewater industry. It is also commonly used in equipment such as valves and pumps. **MIL-DTL-24696D TY 2** is suitable for service handling the following general media categories:

- Mild acids
- Diluted alkalis
- Aliphatic solvents
- Saturated Steam
- Water
- Industrial gases
- General chemicals
- Brine
- Air

SERVICE LIMITS		
Type	Description	Value
Temperature Limits	Maximum	716°F (380°C)
	Continuous Max	490°F (270°C)
Pressure Limits	Maximum	1015 psi (70 bar)
	Continuous Max	725 psi (50 bar)
ASTM Line Call Out F104	F712940E44M5	
Color	Off White	

**TYPICAL PHYSICAL PROPERTIES**

ASTM Test Method	Property	Value
-	Density	122 lb/ft <sup>3</sup> (1.96 g/cc)
F36	Compressibility	7-17%
F36	Recovery	min 45%
F152	Tensile Strength	2030 psi (14 MPa)
F495	Ignition Loss	max 28%
F146	Thickness Increase After 5 Hour Immersion	
	· ASTM oil IRM 903 @300°F (150°C)	max 40%
	· ASTM Fuel B @ 77°F (25°C)	max 20%
F146	Weight Increase After 5 Hour Immersion	
	· ASTM oil IRM 903 @300°F (150°C)	max 30%
	· ASTM Fuel B @ 77°F (25°C)	max 30%
F38	Creep relaxation	22%
	Torque Retention (DIN 52913)	37 N/mm <sup>2</sup>
F37	Sealability at 1000 psi	0.25 ml/h

SHEET SIZE	PART NUMBER
1/64" X 60" X 60"	SDS-06455-24696-2
1/32" X 60" X 60"	SDS-03255-24696-2
1/16" X 60" X 60"	SDS-06255-24696-2
3/32" X 60" X 60"	SDS-09355-24696-2
1/8" X 60" X 60"	SDS-12555-24696-2
LARGER SHEET SIZES AVAILABLE	



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**SAN DIEGO SEAL, INC.**

**INDUSTRIAL & MARINE SEALING DEVICES**

**Interface Solutions**  
**CMP-4001**  
**NON-ASBESTOS GASKET MATERIAL**  
**Meets MIL-G-24696B**



A HIGH PERFORMANCE, COMPRESSED MICROPOROUS MATERIAL, PRODUCED WITH EXCLUSIVE HYDRO-FUSED™ PRODUCTION PROCESS. IT IS A UNIQUE BINDER BLEND AND SYNTHETIC FIBER MATRIX. IT HAS EXCELLENT SEALABILITY AND TORQUE RETENTION PROPERTIES AND IS RECOMMENDED FOR OEM AND INDUSTRIAL APPLICATIONS. FOR USE IN APPLICATIONS WITH INTERMITTENT OPERATING TEMPERATURES UP TO 550° F

TYPICAL DATA SHEET  
Revised 8/1/02

# CMP-4001

Hydro-Fused™/Compressed MicroPore Gasket Material

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## DESCRIPTION:

A high performance, Compressed MicroPore material, produced with our exclusive Hydro-Fused™ production process. It is a unique binder blend and synthetic fiber matrix. It has excellent sealability and torque retention properties and is recommended for OEM and industrial applications. For use in applications with intermittent operating temperatures up to 288°C (550°F).

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## TYPICAL DATA:

Material Gauge	0.8 mm
Density g/cm <sup>3</sup> (lbs./cu. ft.)	1.60 (100)
Compressibility % at 34.5 MPa (5000 psi)	10
Recovery (%)	64
Tensile - MPa (psi) - Cross Direction	23 (3300)
- Machine Direction	32 (4600)

## ASTM F-146 IMMERSION TESTING

<b>IRM 903</b> - 5 hours at 150°C (300°F)	
Percent Change in Thickness	5
Percent Change in Weight	9
Percent Change in Tensile Strength	-12
<b>Fuel B</b> - 5 hours at 21-24°C (70-75°F)	
Percent Change in Thickness	12
Percent Change in Weight	12
<b>Glycol/Water 50/50</b> - 5 hours at B.P.	
Percent Change in Thickness	3
Percent Change in Weight	10
<b>Oil #1</b> - 5 hours at 150 C (300 F)	
Percent Change in Thickness	1
<b>Fuel C</b> - 5 hours at 21-24°C (70-75°F)	
Percent Change in Thickness	13
Percent Change in Weight	12
<b>Creep Relaxation</b> - 22 hours, 100 C (ASTM F38B)	17
<b>Sealability</b> - Fuel A (ASTM F37A)	0.0
<b>Color</b>	Natural

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## REMARKS:

Hydro-Fused, Pro-Formance, Synthesel, Thermo-Tork and Accoseal are trademarks of Interface Solutions, Inc. Select-a-Seal is a registered trademark of Interface Solutions, Inc.

Please understand that you are responsible for the accuracy of all project specifications; including any Interface Solution guide specifications that you use. INTERFACE SOLUTIONS SHALL NOT BE LIABLE FOR ANY



DEPARTMENT OF THE NAVY

NAVAL SEA SYSTEMS COMMAND  
1333 ISAAC HULL AVE SE  
WASHINGTON NAVY YARD DC 20376-0001

IN REPLY TO

4123

Ser 05Q/2002-469

3 December 2002

Interface Solutions, Inc.  
Attn: Mr. Andrew M. Anderson II  
12 Davis Street  
Hoosick Falls, NY 12090

Dear Mr. Anderson:

Based on test results which were certified by DCMA, your "CMP-4001" non-asbestos gasket sheet conforms to the requirements of MIL-G-24696B(SH) and AMD-1. Therefore, qualification is hereby granted to your "CMP-4001" to be manufactured at your 12 Davis Street, Hoosick Falls, NY plant subject to the conditions printed on the reverse side of this page.

Based on the results of an administrative health hazard assessment conducted on your "CMP-4001" non-asbestos gasket sheet by the Navy Environmental Health Center (NEHC), enclosure (1), it is felt that your "CMP-4001" could be safely used for its intended purpose provided the precautions delineated in enclosure (1) are strictly followed. All precautions noted by the manufacturer in the MSDS and in the enclosed NEHC letter must be observed and diligently applied.

Your product will appear as follows on the next issue of Qualified Products List QPL-24696:

MIL-G-24696B, AMD-1

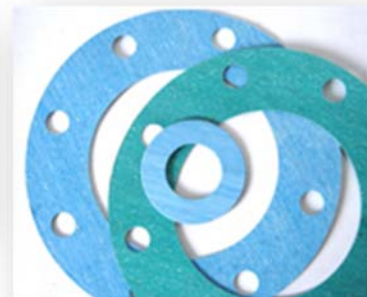
GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION	TEST OR QUALIFICATION REFERENCE	MANUFACTURER'S NAME AND ADDRESS
	CMP-4001	Interface Solutions Test Rpt. 05Q-2002-469, 12/3/02; NEHC ltr Ser IH6/01149, 8/21/02	Interface Solutions, Inc. 12 Davis Street Hoosick Falls, NY 12090 Plant: Same address CAGE: 0G6N3

Sincerely,

CHERYL A. TURNER  
Command Standards Office



## STYLE 3000NA – ARAMID FIBER/NBR BINDER NON-ASBESTOS SHEET



### CONSTRUCTION

Style 3000NA is a compressed non-asbestos sheet gasket material produced from a combination of aramid and other synthetic fibers and bonded with nitrile rubber (NBR). It is manufactured through the hot calendar process under rigorous quality control standards that are registered under ISO-9001 certification.

### APPLICATION / SERVICE

Style 3000NA is a very good general service gasket material that has numerous applications in the process industries and in the water and wastewater industry. It is also commonly used in equipment such as valves and pumps. Style 3000NA is suitable for service handling the following general media categories:

- Mild inorganic acids
- Diluted alkalis
- Aliphatic solvents
- Synthetic oils
- General chemicals
- Mild organic acids
- Water
- Industrial gases
- Vegetable oils
- Neutral solutions
- Refrigerants
- Brine
- Animal oils
- Petroleum and Derivatives
- Air

### SERVICE LIMITS

Type	Description	Value
Temperature Limits	Maximum	750°F (400°C)
	Continuous Max	460°F (240°C)
Pressure Limits	Maximum	1595 psi (110 bar)
	Continuous Max	725 psi (50 bar)
ASTM Line Call Out F104	F712120E22M5	

## TYPICAL PHYSICAL PROPERTIES

ASTM Test Method	Property	Value
-	Density	109 lb/ft <sup>3</sup> (1.75 gm/cc)
F36	Compressibility	7-17%
F36	Recovery	min 45%
F38	Tensile Strength Across Grain	1670 psi (11.5 N/mm <sup>2</sup> )
F495	Ignition Loss	max 34%
F146	Thickness Increase After 5 Hour Immersion	
	☒ ASTM IRM 903 @300°F (150°C)	max 12%
	☒ ASTM Fuel B @77°F (25°C)	max 10%
F146	Weight Increase After 5 Hour Immersion	
	☒ ASTM IRM 903 @300°F (150°C)	max 15%
	☒ ASTM Fuel B @77°F (25°C)	max 15%
F38	Creep Relaxation	25%
	Torque Retention (DIN 52913)	28 N/mm <sup>2</sup>
F37	Sealability at 1000 psi	0.25 ml/h

SHEET SIZE	PART NUMBER
1/64" X 60" X 60"	SDS-06455-3000NA
1/32" X 60" X 60"	SDS-03255-3000NA
1/16" X 60" X 60"	SDS-06255-3000NA
3/32" X 60" X 60"	SDS-09355-3000NA
1/8" X 60" X 60"	SDS-12555-3000NA
LARGER SHEET SIZES AVAILABLE	



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