



## STYLE NA1085

### Compressed Sheet Packing Aramid Fibers / Hypalon Binder

#### CONSTRUCTION

**Style NA1085** is a compressed non-asbestos sheet gasket material produced from aramid fibers and bonded with Hypalon® rubber. It is manufactured through the hot calendar process under rigorous quality control standards that are registered under ISO-9001 certification.

#### APPLICATION / SERVICE

**Style NA1085** is a severe service non-asbestos sheet that is specifically formulated to provide an effective seal against most acids in the process industries. This style is suitable for service handling the following general media categories:

- Mild inorganic acids
- Mild organic acids
- Strong inorganic acids
- Strong organic acids
- Concentrated alkalis
- Water
- Brine
- Saturated Steam
- Air
- Industrial gases
- Oxygenated Solvents
- Neutral solutions
- Refrigerants
- General chemicals
- Diluted alkalis

#### SERVICE LIMITS

Type	Description	Value
<b>Temperature Limits</b>	Maximum	464°F (240°C)
	Continuous Max	362°F (200°C)
<b>Pressure Limits (Vacuum)</b>	Maximum	1015 psi (70 bar)
	Continuous Max	725 psi (50 bar)
<b>ASTM Line Call Out F104</b>	F712000E00M5	
<b>Color</b>	Cobalt Blue	
<b>Available Sheet Sizes</b>	Thickness	1/64", 1/32", 1/16", 3/32", 1/8"
	Sheet Sizes	59" x 63"
		59" x 126"

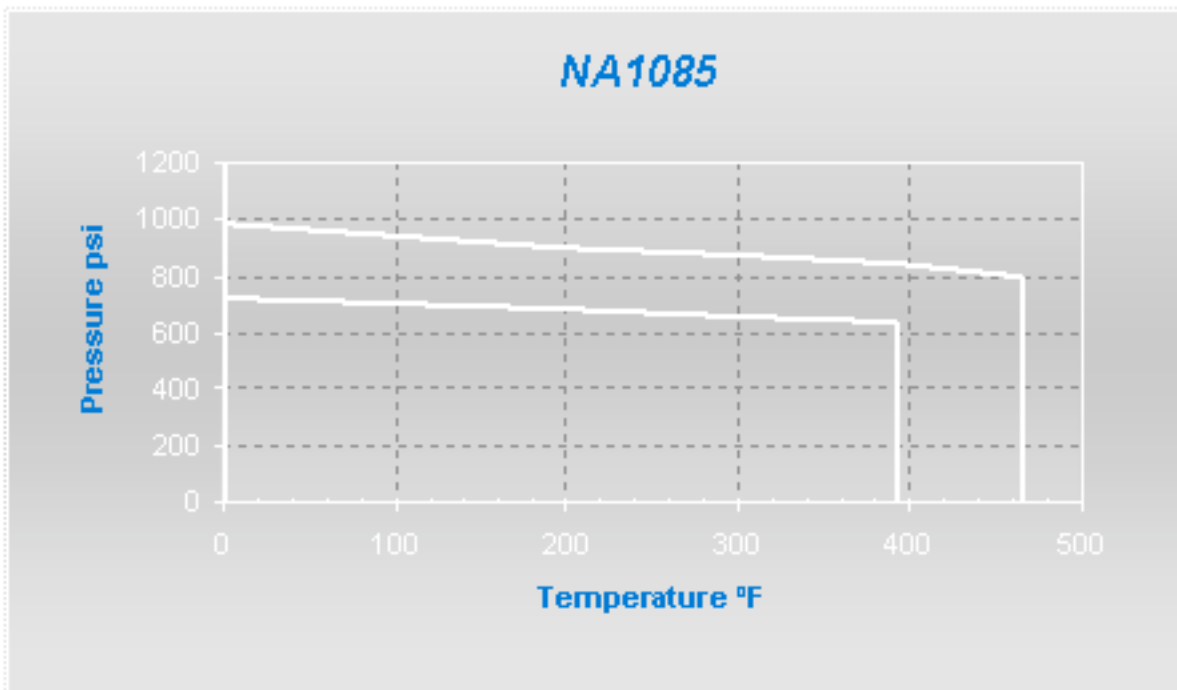
#### PHYSICAL PROPERTIES AFTER ACID IMMERSIONS ~ 5 HOURS AT 73 °F

Physical Properties	25% Sulfuric	25% Nitric	25% Hydrochloric
Thickness Increase	30%	7%	5%
Weight Increase	20%	8%	5%

## TYPICAL PHYSICAL PROPERTIES

ASTM Test Method	Property	Value
-	Density	106 lb/ft <sup>3</sup> (1.7 gm/cc)
F36	Compressibility	5-15%
F36	Recovery	min 40%
F152	Tensile Strength	2030 psi (14 N/mm <sup>2</sup> )
F495	Ignition Loss	max 37%
F146	Thickness Increase After 5 Hour Immersion	<ul style="list-style-type: none"> <li>● ASTM IRM 903 @300°F (150°C)</li> <li>● ASTM Fuel B @77°F (25°C)</li> </ul>
25% H <sub>2</sub> SO <sub>4</sub>	max 6	
25% HCl	max 5	
25% HNO <sub>3</sub>	max 6	
F146	Weight Increase After 5 Hour Immersion	<ul style="list-style-type: none"> <li>● ASTM IRM 903 @300°F (150°C)</li> <li>● ASTM Fuel B @77°F (25°C)</li> </ul>
25% H <sub>2</sub> SO <sub>4</sub>	max 6	
25% HCl	max 5	
25% HNO <sub>3</sub>	max 6	
F38	Creep relaxation	26%
	Torque Retention (DIN 52913)	28 N/mm <sup>2</sup>
F37	Sealability at 1000 psi	0.2 ml/h

**Pressure x Temperature**



The P x T graph shown above indicates the service limits for this sheet considering pressure and temperature simultaneously...(Tests were performed with nitrogen on 1.6mm thick sheet). The "normal" curve represents the common usage area for this sheet while the "maximum" curve indicates the maximum limits. For applications near or above the "maximum" curve, contact TEADIT. Properties and application parameters shown throughout this datasheet are typical. Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations consult TEADIT. Failure to select proper sealing products could result in property damage and/or serious personal injury. Specifications are subject to change without notice. This edition supersedes all previous issues.