



NA1090 - Compressed Sheet with Inorganic Fibers /NBR Binder

CONSTRUCTION

Style NA1090 is a Compressed Non-Asbestos sheet gasket material produced from inorganic fibers, reinforced fillers 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.

APPLICATION / SERVICE

NA1090 is a general purpose Compressed Non-Asbestos sheet gasket material suitable for services with the following general media categories:

<ul style="list-style-type: none"> • Mild inorganic acids • Water • Industrial gases • Vegetable oils • Neutral solutions 	<ul style="list-style-type: none"> • Mild organic acids • Brine • Animal oils • Petrol and Derivatives • Air 	<ul style="list-style-type: none"> • Diluted alkalis • Steam • Synthetic oils • General chemicals
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SERVICE LIMITS		
Type	Description	Value
Temperature Limits	Maximum	750°F (400°C)
	Continuous Max	480°F (250°C)
Pressure Limits	Maximum	1560 psi (110 bar)
	Continuous Max	1140 psi (80 bar)
ASTM Line Call Cut F104	F712290E33M4	
Color		Black
Available Sheet Sizes	Thickness	1/64", 1/32", 1/16", 3/32", 1/8"
	Sheet Sizes	59" x 63" 59" x 126"

TYPICAL PHYSICAL PROPERTIES		
ASTM Test Method	Property	Value
ASTM F1315	Density	96 lb/ft ³ (1,54g/cc)
ASTM F36A	Compressibility	7-17%
ASTM F36A	Recovery	min 45%
ASTM F152	Tensile Strength	1450 psi (10N/mm ²)
ASTM F495	Ignition loss	max 37%
ASTM F146	Thickness Increase	
	<ul style="list-style-type: none"> • ASTM Oil IRM903, 5h/300°F (150°C) • Fuel B, 5h/77°F (25°C) 	max 20% max 15%

ASTM F146	Weight Increase	
	• ASTM Oil IRM903, 5h/300°F (150°C)	max 25%
	• Fuel B, 5h/77°F (25°C)	max 20%
ASTM F38	Creep Relaxation	23%
DIN 52913	Torque Retention	40 N/mm ²
ASTM F37A	Sealability at 1000 psi	0,3 mL/h

Note: ASTM values for 0.8mm and DIN values for 2.0 mm thick sheets

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.

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