

HB50HT

Marflex™ Bromobutyl – Superior temperature resistance to acids and caustic solutions up to 260°F (127°C). With tie gum. FDA compliant.

SPECIFICATIONS

DUROMETER OF FACE MATERIAL:

Shore A Scale

PRESSURE CURE:

55 to 65

ATMOSPHERIC CURE:

40 to 60

AVAILABLE GAUGES:

1/8", 3/16", 1/4", 1/2", 4mm, 5mm
6mm, and 12mm

SKIVE:

Closed

REPAIRS:

Repair with original lining or CHB50HT. See Section 16 – Repair Procedures.



TYPICAL PHYSICAL PROPERTIES

Tensile Strength PSI	ASTM D412	1200
% Elongation at break	ASTM D412	350
Durometer	ASTM D2240	55A
Specific Gravity	ASTM D927	1.35
Adhesion to Metal	ASTM D429	30 LBS

Notes: For the best appearance and chemical resistance of the completed rubber lining, always apply plastic side down against the substrate.

CURE METHODS AND TIMES:

Autoclave	2 hours at 290°F (143°C)
Internal Pressure	8 hours at 260°F (127°C)
	For vacuum service: Up to 1/4" thick: 30 hours at 260°F (127°C) 1/4" to 1/2" thick: 60 hours at 260°F (127°C)
	Up to 1/4" 48 hours at 200°F (94°C)
Atmospheric	Atmospheric curing not recommended for vacuum service.

Note: Cure times may require adjustment to compensate for heavy metal thickness, low exterior temperatures or other unusual factors. See Section 14 – Curing Instructions.

HB50HT Marflex™ Bromobutyl – Superior temperature resistance to acids and caustic solutions up to 260°F (127°C).

STORAGE LIFE FROM DATE OF SHIPMENT

32°F (0°C) to 50°F (10°C)	180 days
51°F (13°C) to 65°F (19°C)	90 days
66°F (21°C) to 75°F (23°C)	60 days
76°F (23°C) to 85°F (30°C)	30 days

Storage temperature must not exceed 85°F (30°C)

ADHESIVE SYSTEM ENDURABOND™ 1*2*3 SYSTEM

1st coat on metal:	Primer #1
2nd coat on metal:	Intermediate #2
3rd coat on metal:	Tack #3
On the rubber:	Tack #3
On the seams:	Tack 500

APPLICATOR NOTES

1. Tacky Back Tie Gum is also available on special order. This option eliminates the need to apply Tack #3 adhesive to the back of the rubber lining. This reduces VOC exposure to your crew and shortens application time.
2. The temperature of the substrate must be greater than 60°F (15°C) prior to applying primer and rubber. Temperatures should not exceed 120°F (49°C).
3. For hot water cure, consult with Blair Rubber Company's technical department. When using this method, a qualified steel structural design engineer must be consulted due to stresses placed on the vessel.
4. For vacuum vessel curing instructions contact Blair Rubber Company's Technical Department.
5. A heated table that warms rubber to approximately 120°F (49°C) is best for ease of application.



DISCLAIMER:

The above guidelines are based on general industry practices and not applicable to all installations. Please contact Blair Rubber Company for specific application instructions. Application methods shall conform to Blair Rubber Company instructions contained in the Engineering & Applicator manual. Deviations from the specifications must be approved in writing by Blair Rubber Company. Data values are approximate and may vary based on installation techniques and atmospheric conditions. As such, data values should be used as general guidelines and are not a legally binding warranty of product characteristics. This document is copyright to and the intellectual property of Blair Rubber Company and may not be copied or distributed without prior consent.