

LS561

Enduraflex™ Black, soft, natural rubber for abrasion and general purpose chemical service. Exhaust steam or pressure cure.

SPECIFICATIONS

DUROMETER OF FACE MATERIAL:

Shore A Scale

PRESSURE CURE:

50 to 60

ATMOSPHERIC CURE:

50 to 60

AVAILABLE GAUGES:

1/8", 3/16", 1/4", 1/2", 4mm, 5mm, 6mm & 10mm

SKIVE:

Closed

REPAIRS:

Repair with original lining. See Section 16 - Repair Procedures.

TYPICAL PHYSICAL PROPERTIES

Tensile Strength PSI	ASTM D412	2500
% Elongation at break	ASTM D412	700
Durometer	ASTM D2240	50A
Specific Gravity	ASTM D927	1.09
Adhesion to Metal	ASTM D429	30 Lbs.

Notes: Always apply plastic side down against the substrate.

CURE METHODS AND TIMES:

Autoclave	1/8" to 1/4": 1 hour at 275°F (135°C)
	3/8" to 1/2": 2 hours at 275°F (135°C)
Internal Pressure	6 hours at 260°F (127°C)
Atmospheric	Step 1 – 6 hours from ambient to 160°F (71°C)
	Step 2 – 24 hours at 180°F (82°C) or 20 hours at 200°F (94°C)
	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.



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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 (24°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

APPLICATOR NOTES

1. Plying up layers of rubber lining thicker than 1/2" could result in the rubber flowing or sagging during cure. Do a test plate to determine flow characteristics.
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).



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.