

LS511

Ploweld™ black, semi-hard/synthetic-natural blend lining for oxidizing and plating solutions. Pressure cure.

SPECIFICATIONS

FACE MATERIAL DUROMETER, ATMOSPHERIC CURE:
N/A

PRESSURE CURE:
85 to 95

AVAILABLE GAUGES:
1/8", 3/16", 1/4", 4mm, 5mm, 6mm

SKIVE:
Closed

REPAIRS:
Repair with original lining.
See Section 16 – Repair Procedures.



TYPICAL PHYSICAL PROPERTIES

| | | |
|-----------------------|------------|--------|
| Tensile Strength PSI | ASTM D412 | 1700 |
| % Elongation at Break | ASTM D412 | 150 |
| Durometer | ASTM D2240 | 85 A |
| Specific Gravity | ASTM D297 | 1.37 |
| Adhesion to Metal | ASTM D429 | 30 LBS |

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

CURE METHODS AND TIMES:

| | |
|-------------------|--|
| Autoclave | Typical 2 hours at 260°F (127°C) |
| Internal Pressure | 8 hours at 260°F (127°C) |
| Atmospheric | Step 1 – Observe a gradual warm-up time until reaching 160°F (71°C). This time will vary depending in ambient and other variable conditions specific to the application. |
| | Step 2 – 24 hours at 180°F (82°C) or 20 hours at 200°F (94°C) |

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

LS511 Plioweld™ black, semi-hard/synthetic-natural blend lining for oxidizing and plating solutions.

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 |

*Each adhesive component requires thorough mixing before application.

APPLICATOR NOTES

1. Caution: Hard rubber linings may crack when subjected to thermal or mechanical shock.
2. Plying up layers of rubber lining thicker than 1/4" could result in the rubber flowing or sagging during cure. Test plate is required to determine flow characteristics.
3. 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).
4. A heated table that warms rubber to approximately 120°F (49°C) is best for application.
5. Strict adherence to adhesive specifications is required. Tack time is critical to the success of the bond.



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.