



# VE518BEP

**Description:** ENDURAFLEX Black, soft, EPDM lining for valves and cap material for VE530BEP. Without tie gum. Excellent for NaOCl bleach service. Exhaust Steam or Pressure Cure.

**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"; 4mm, 5mm, & 6mm.

**Adhesive System:**

**Adhesives:** ENDURABOND System for synthetics

1st coat on metal:	Primer P-100
2nd coat on metal:	Intermediate I-100
3rd coat on metal:	600 Tack
On the rubber:	600 Tack

**Skive:** Open

**Cure Methods and Times:**

<b>Autoclave:</b> 2 hours @ 275°F (135°C)
<b>Internal Pressure:</b> 6 hours @ 260°F (127°C)
<b>Atmospheric:</b> 2 Step process Step 1 – 6 hours from Ambient to 160°F (71°C) Step 2 – 24 hours @ 180°F (82°C) or 20 hours @ 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 15 – Curing Instructions.

**Repairs:** Repair with original lining or CU535BEP. See Section 17 – Repair Procedures.

**Storage Life:**

From 32°F (0°C) to 50°F (10°C)	180 days
From 51°F (13°C) to 65°F (19°C)	90 days
From 66°F (21°C) to 75°F (23°C)	60 days
From 75°F (23°C) to 85°F (30°C)	30 days
Do not exceed 90°F (32°C) prior to use.	Cold storage

**Typical Physical Properties**

Tensile Strength – PSI	ASTM D412	1400
% Elongation at break	ASTM D412	775
Durometer	ASTM D2240	55A
Specific Gravity	ASTM D927	1.13
Adhesion to Metal	ASTM D429	30 Lbs.

*Application methods shall conform to BLAIR Rubber Company instructions contained in the Engineering & Applicator manual. Deviations from the specifications must be approved by BLAIR Rubber Company.*

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

**Applicator notes:**

1. This lining was to be used for cap material for VE530BEP however, it is used in other lining applications as well.
2. Repairs can be made with the original lining cured or uncured. We recommend using Endurabond 502 adhesive on repairs. See CU535BEP Lining Specification for cured rubber repair procedures.
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 (48° C).