

# 2055

## BLENDED CHLOROBUTYL LINING

May 2014

**Polycorp 2055** is a black 55 A durometer blended chlorobutyl lining without tie gum. It is a general purpose lining for chemical resistance at elevated temperatures. It is FDA compliant as per 21CFR177.2600. Operating temperature range is from -4°F (-20°C) to 185°F (85°C).

### APPLICATION NOTES:

- **Skive** – use open skive construction
- **Repair** – Same or chemical cure 2040. Refer to section 11 of application manual.
- **Cured Durometer** – Shore A durometer of top surface: 55 ± 5.
- A heated table to warm the rubber to 110–120°F (43°C) is recommended
- **Spark Test** – Refer to section 13 of the Application Manual

### ADHESIVE NOTES:

See Section 6 of the Polycorp Rubber Lining Application Manual for specific cementing / adhesion notes.

For proper adhesion, temperatures must be over 60°F (15°C) and must not exceed 120°F (49°C).

Use adhesives in well-ventilated area and always consult the material safety data sheet for specific precautions.

### CURING:

Cure time adjustments may be required to compensate for specific conditions. See Section 10 of the Application Manual for detailed instructions.

#### Autoclave Method – Up to 1/4” thickness:

- 3 hours @ 260°F/127°C (20 psi)
- 1 hour at 292°F/144°C (45 psi).

#### Internal Steam Method – Up to 1/4” thickness:

- 8 hours @ 260°F/127°C (20 psi) or
- 13 hours @ 240°F/116°C (10 psi).

#### Atmospheric Steam Method – Up to 1/4” thickness:

Minimum 30 hours @ 212°F/100°C.

Coat	Polycorp Adhesive	Approved Equivalent
1 <sup>st</sup> Coat on Metal	C-90 Primer	Chemlok 289
2 <sup>nd</sup> Coat on Metal	C-91 Intermediate	Chemlok 290
3 <sup>rd</sup> Coat on Metal	C-202S Tack	Chemlok 286
4 <sup>th</sup> Coat on lining	C-202S Tack	Chemlok 286



## STORAGE:

Store in a cool and dry area.

Shelf Life	
Stored below 50°F (10°C)	180 days
Stored between 51 and 70°F	60 days
Stored between 71 and 90°F	30 days
Do not store above 90°F (32°C)	

Storage, handling and application methods must conform to the Polycorp Rubber Lining Application Manual.

## TYPICAL PROPERTIES:

Property	Value	ASTM Test Method
Hardness (Face)	55A ± 5	D2240
Tensile Strength (min, psi)	1000	D412
Elongation at Break (min, %)	400	D412
Specific Gravity	1.41	D297
Adhesion to Metal (min, lbs)	25	D429
Operating Temperature Range for Optimum Service Life	- 4°F (-20°C) to 185°F (85°C)	N/A

All physical property values developed and measured using a press-cured sample sheet prepared in accordance with ASTM D3182.

