

T6105

BLENDED CHLOROBUTYL LINING

March 2015

Polycorp T6105 (EPSEAL) is a black, soft, 55A durometer blended chlorobutyl with natural rubber tie gum. It is a general purpose lining for chemical resistance at elevated temperatures. Operating temperature range is from - 4°F (-20°C) to 185°F (85°C)

APPLICATION NOTES:

- **Skive** – use closed 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 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); or alternate cure 1 hour @ 292°F/144°C (45 psi).

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

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

Atmospheric Steam Method –

Minimum 30 hours @ 212°F/100°C.

Coat	Polycorp Adhesive	Approved Equivalent
1 st Coat on metal	C-90 Primer	Chemlok 289
2 nd Coat on metal	C-91	Chemlok 290
3 rd Coat on metal	C-202S	Chemlok 286
4 th Coat on lining	C-202S	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	45 days
Do not store above 90°F (32°C)	

Depending on storage conditions it may be possible to use rubber linings beyond the recommended shelf life however additional testing must be completed. Please contact Polycorp for recommended test procedures. A sample of the rubber lining can also be sent back to Polycorp for verification.

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	- 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.