

## TECHNICAL DATA SHEET

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# T1000

## SOFT NATURAL RUBBER LININGS

March 1<sup>st</sup>, 2011

**Polycorp T1000** is a tan, 40A durometer natural rubber with excellent chemical, abrasion and tear resistance properties. Operating temperature -40°F to 150°F.

### Application Notes:

- **Skive** – use closed skive construction
- **Repair** – Same or 2042 chemical cure.
- **Cured Durometer** – Shore A Durometer of top surface: 40 ± 5.
- **Spark Test** – Refer to section 13 of the Application Manual

### Adhesive Notes:

See Section 9 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.

<u>Coat</u>	<u>Polycorp Adhesive</u>	<u>Approved Equivalent</u>
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-210S Tack	Chemlok 286
4 <sup>th</sup> Coat on lining	C-210S Tack	Chemlok 286

For distributors of Chemlok adhesives, see Section 9 of the Application Manual

### Curing:

Cure time adjustments may be required to compensate for specific conditions. See Section 11 of the Application Manual for detailed instructions.

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

1 hour @ 260°F/127°C (20 psi).

¼” to 3/8” thick: 1 ½ hours @ 260°F (20 psi)

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

3 hours @ 260°F/127°C (20 psi) or 6 hours at 240°F/116°C (10 psi).

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

24 hours @ 212°F/100°C.

### Storage:

Store in a cool, 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



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### Typical Properties:

<b>Property</b>	<b>Value</b>	<b>ASTM Test Method</b>
Hardness (Face)	40 A ± 5	D2240
Tensile Strength (min, psi)	2500	D412
Elongation at Break (min, %)	500	D412
Specific Gravity	1.03	D927
Adhesion to Metal (min, lbs)	25	D429
Maximum Operating Temperature for Optimum Service Life	65°C/150°F	N/A

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