

TECHNICAL DATA SHEET

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2011

NEOPRENE RUBBER LINING

October 1, 2009

Polycorp 2011 is a black 60A durometer general purpose black neoprene lining with good abrasion, weathering, flame retarded and corrosion resistance properties. Good machining properties. A-I-E Cure.

Application Notes:

- **Skive** – use closed skive construction
- **Repair** – Same
- **Cured Durometer** – Shore A Durometer of top surface: 60 ± 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 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 st Coat on Metal	C-100 Primer	Chemlok 205
2 nd Coat on Metal	C-200 Intermediate	Chemlok 220
3 rd Coat on Metal	021052 Tack	021052 Tack
4 th Coat on lining	021052 Tack	021052 Tack

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 at 260°F/127°C (20 psi).

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

Minimum of 6 hours @ 260°F/127°C (20 psi)

Atmospheric Steam Method – Up to 1/4" thickness:

Minimum 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:

<u>Property</u>	<u>Value</u>	<u>ASTM Test Method</u>
Hardness (Face)	60 A \pm 5	D2240
Tensile Strength (min, psi)	2000	D412
Elongation at Break (min, lbs)	300	D412
Specific Gravity	1.42	D927
Adhesion to Metal (min, lbs)	25	D429
Maximum Operating Temperature for Optimum Service Life	95°C/203°F	N/A

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

PRECAUTIONS:

- Calendered stock typically has nerve. Warm Stock to 100°F/38°C to 120°F/49°C before applying.
- Crowd rather than stretch during application.