

2011

NEOPRENE RUBBER LINING

January 2021

Polycorp 2011 is a black 60A durometer general purpose black neoprene lining with good abrasion, weathering, corrosion and flame resistance properties. It has good machining properties. Operating temperature range is from - 13°F (-25°C) to 203°F (95°C). FDA compliant as per 21CFR177.2600.

APPLICATION NOTES:

- **Skive** – use open skive construction
- **Repair** – Same. Refer to section 11 of application manual.
- **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 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

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.

Coat	Polycorp Adhesive	Approved Equivalent
1 st Coat on Metal	C-100 Primer	Chemlok 205
2 nd Coat on Metal	Chemlok 6220	Chemlok 6220
3 rd Coat on Metal	021052 Tack	021052 Tack
4 th Coat on lining	021052 Tack	021052 Tack

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)	60 A ± 5	D2240
Tensile Strength (min, psi)	2000	D412
Elongation at Break (min, %)	300	D412
Specific Gravity	1.42	D297
Adhesion to Metal (min, lbs)	25	D429
Operating Temperature Range for Optimum Service Life	- 13°F (-25°C) to 203°F (95°C)	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.