

# 2033P

## SOFT NATURAL RUBBER LINING

May 2014

**Polycorp 2033P** is a 60 A durometer natural rubber compound which combines excellent physical properties and abrasion resistance along with ozone, oxygen and weather resistance. It is also available with soft natural rubber tie gum. Operating temperature range is from - 40°F (-40°C) to 160°F (71°C).

### APPLICATION NOTES:

- **Skive** – use closed skive construction
- **Repair** – Same or 2019 chemical cure. Refer to section 11 of application manual.
- **Cured Durometer** – Shore A Durometer of top surface: 60 ± 5.
- **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 @ 260°F/127°C (20 psi).

#### Autoclave Method - 1/2” thickness:

1 1/2 hours @ 260°F/127°C (20 psi).

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

3 hours @ 260°F/127°C (20 psi) or

6 hours @ 240°F/116°C (10 psi).

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

Minimum 24 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, 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)                                      | 60 A ± 5                       | D2240            |
| Tensile Strength (min, psi)                          | 3000                           | D412             |
| Elongation at Break (min, %)                         | 350                            | D412             |
| Specific Gravity                                     | 1.10                           | D297             |
| Adhesion to Metal (min, lbs)                         | 25                             | D429             |
| Operating Temperature Range for Optimum Service Life | - 40°F (-40°C) to 160°F (71°C) | N/A              |

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