

## TECHNICAL DATA SHEET

3016 Page 1 of 2

# 3016

## TRIFLEX 3-LAYER COMBINATIONS

October 1, 2010

**Polycorp 3016** A general purpose 85A surface durometer white faced triflex with natural rubber tie gum with excellent chemical and temperature resistance. Superior performance in water treatment equipment. A-I-E Cure. FDA compliant as per 21CFR177.2600.

### Application Notes:

- **Skive** – use closed skive construction. When pressure curing, use air pressure cool down to 120 °F/49 °C before opening the tank.
- **Repair** – Same or 2041 chemical cure.
- **Cured Durometer** – Shore A Durometer on top surface 85 ± 10 or Shore D 35 ± 10.
- **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-202S Tack	Chemlok 286
4 <sup>th</sup> Coat on lining	C-202S 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 – 3/16” and 1/4” thickness:** Slow rise to 250°F/121 °C (15 psi). Hold 2 ½ hours @ 250°F/121 °C (15 psi). Cool down under pressure.

**Internal Steam Method - 3/16” and 1/4” thickness:** Slow rise to 250°F/121 °C (15 psi). Hold 5 hours @ 250°F/121 °C (15 psi). Cool down under pressure.

**Atmospheric Steam Method – Up to 1/4” thickness:** Minimum 24 hours @ 212°F/100°C. Low durometer readings may result with this type of cure.

### Storage:

Store in a cool, dry area.

### Shelf Life:

Stored below 50°F (10°C)	180 days
Stored between 51 and 70°F	90 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

## TECHNICAL DATA SHEET

3016 Page 2 of 2

### Typical Properties:

<u>Property</u>	<u>Value</u>	<u>ASTM Test Method</u>
Hardness (Face Stock)	85A ± 10	D2240
Tensile Strength (min, psi)	N/A	D412
Elongation at Break (min, psi)	N/A	D412
Specific Gravity	1.20	D927
Adhesion to Metal (min, lbs)	25	D429
Maximum Operating Temperature for Optimum Service Life	85°C/185°F	N/A

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

### PRECAUTIONS:

- This is a hard rubber compound. Overcure will cause brittleness.
- This lining may not be suitable for equipment that may be exposed to extremely low temperatures. If temperatures will be below 32 °F/0°C, contact Polycorp with all the service conditions for a specific recommendation.
- Cool down to about 120 °F/49°C before releasing pressure during pressure cure.
- Do not ship lined tank below 20 °F.