

Safety Wrap Typical Properties

85°A unfilled general purpose cast elastomer suitable for industrial environments

Property	Test Method	Value	SI Units	Value	Imp Units
Color		Blaze Orange			
Shore Hardness	Shore A	85 °	A	85 °	A
Tensile Strength	ASTM D412	26	MPa	3770	lbf/in ²
Elongation @ Break	ASTM D412	490	%	490	%
Nicked Crescent Tear Strength	ASTM D624	78	N/mm	442	lb/in

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Approved By S. Kotrulja Date of Approval/Issue 8 Feb 10

PARAMETER	METHOD	Specifications PU					
HARDNESS	Shore A	85 +/-3					
Elongation% Strength	ASTM D412	490%					
Tensile MPa	ASTM D412	26 MPa					
Tear Strength	ASTM D624	442 PLI					
Visual	Color Orange						
Date	WC# Shift	Hardness	Tensile MPa	Elongation %	Young's Modulus	Tear PLI	Density
12/14/2009	6086-06	84.6	26.84	497%	8.0 MPa	438.5	1.199 g/cm ³
12/15/2009	6086-06	85.2	24.03	458%	9.0 MPa	444.1	1.148 g/cm ³
12/16/2009	6086-06	84.9	26.89	513%	7.4 MPa	443.1	1.154 g/cm ³



IDENTIFICATION: 3 ea. Orange Polymer Samples identified as:
- PCE 092A (300 mils)

PROCEDURES:
Shear testing by punch tool was performed on the submitted samples per ASTM D 732 using a Tinius-Olsen Model H10KS (S/N: 208515, calibration due June 4, 2010).

Test #	Thickness (in.)	Punch Diameter (in.)	Shear Area (in ²)	Shear Load (lbs)
1	0.64	0.995	2.00	8,629
2	0.63	0.995	1.97	8,788
3	0.62	0.995	1.94	8,701
4	0.64	0.995	2.00	8,801
5	0.66	0.995	2.06	8,792
Average	---	---	---	8,742

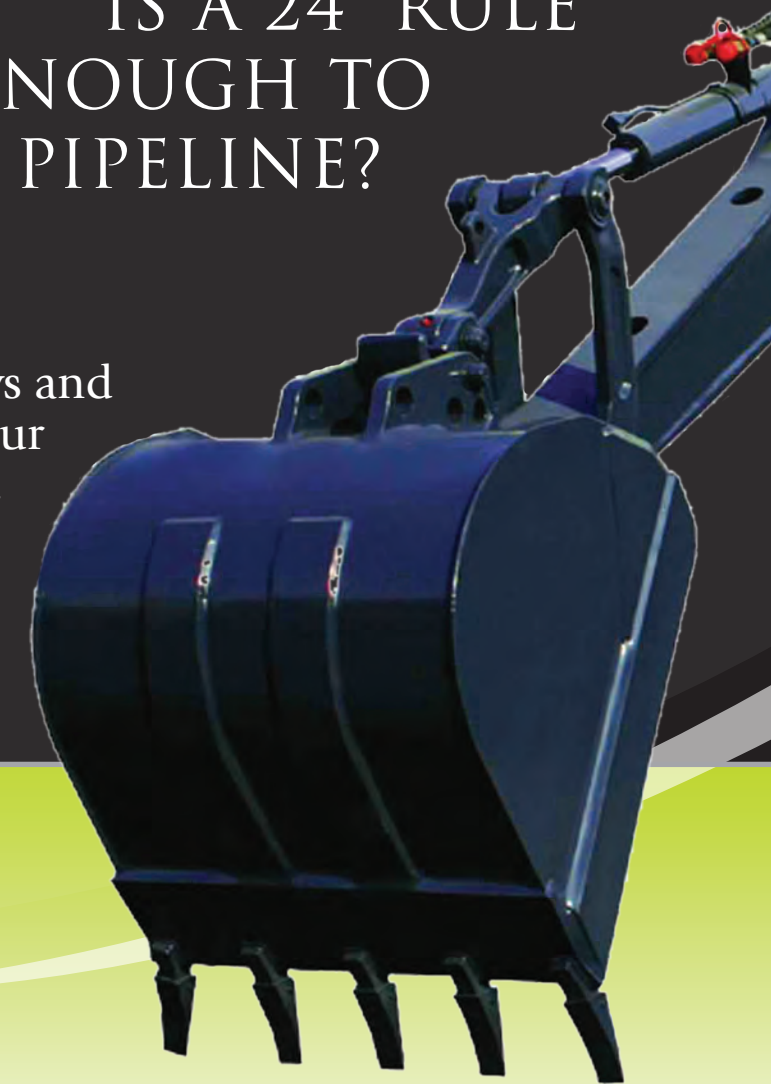
Shear Tests -

Sample	Thickness (in)	Area of Sheared Edge (in ²)	Shear Strength (psi)
PCE 092A-1	0.270	0.8321	1346
PCE 092A-2	0.233	0.7225	1163
PCE 092A-3	0.244	0.7549	1594
PCE 092A-4	0.219	0.6785	1405



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Safety Wrap is like a hard hat for your pipe. When pipelines are exposed, they are at their most vulnerable. Simply installing Safety Wrap will protect the pipe and its vital coatings from damage that can occur. It was designed by a contractor with over 50 years of personal experience in the field, and with the goal of protecting pipelines and saving lives.

Effective

Safety Wrap will protect the pipe from scrapes and dings. Avoid downtime, paperwork and costly repairs by installing Safety Wrap over exposed pipe during excavation and maintenance. Eliminating the cost of a single cut-out or repair will more than pay for the wrap.

Durable

Safety Wrap is so durable it can withstand a direct hit from track hoe bucket with new tiger teeth and will not be punctured or torn. While such an impact may still dent the pipe, a very dangerous situation can be avoided and everyone can go home at night. See back cover for technical data.

Visible

The fluorescent orange color of Safety Wrap adds an additional level of protection. In low light conditions or at the end of a long day, mistakes can happen. Brightly colored Safety Wrap warns workers in the area of the presence of an exposed line.

Simple

Installing single piece safety wrap is no more difficult than putting a key on a key ring. Start feeding the pipe into the open flap on the Safety Wrap and turn. Larger multi-piece sizes snap in place for effective protection.

Reuseable

Safety Wrap can be used again and again. The first prototype pieces developed over a decade ago are still in use today.



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