



RUBBER LINED PIPE



Rubber lined pipe is used to transport abrasive slurry solutions, corrosive chemicals and many other liquids from one place to another. Since most rubber lined pipe applications are for transporting abrasive slurries, we test our materials for abrasion resistance to ensure we are providing you with the product best suited to your needs.

	PC-60ARN	Polyurethane	Black Natural	Tan Gum
Mass Loss/Cycle (mg/cycle) †	0.0661	0.0860	0.7918	0.9761
Cycles	3,000	3,000	3,000	3,000
Total Mass Loss (g)	0.1983	0.2580	2.7923	2.9283
Specific Gravity	1.10	1.11	1.099	1.035
Volume Loss (cm ³)	0.1803	0.2324	2.1614	2.8292

† Testing performed by Akron Rubber Development Laboratory, Inc.

Compounds Tested for Abrasion Resistance:

- **PC-60ARN**Proco's proprietary Abrasion resistant Black Natural Rubber compound.
- **Polyurethane**90 Durometer abrasion resistant polyurethane believed to be best for abrasion resistance.
- **Black Natural**60 Durometer abrasion resistant rubber specified by our competitors.
- **Tan Gum**.....40 Durometer gum rubber often specified by others because of its low cost.

The table above clearly shows that Proco's **PC-60ARN** exhibits the best abrasion resistance of all materials tested. Even better, our **PC-60ARN** has a low installed cost. Don't let other companies sell you an inferior product with a thin top layer of polyurethane. Our lining gives you the same outstanding abrasion resistance through its entire thickness.

We can install rubber lining in pipe as small as 1½" dia. and as large as 144" dia. We vulcanize (cure) the lining installed in pipe up to 88" diameter in our autoclaves. Curing in an autoclave produces superior adhesion properties over other processes (i.e. atmospheric and internal steam). Autoclave curing also maximizes the lining life in the pipe versus other methods.

We can apply rubber lining over many different pipe substrates including: carbon steel, aluminum, copper, brass, cast iron, stainless steel & fiberglass. We can fabricate and rubber line your pipe with a minimum lead-time. All rubber lined pipe orders receive the same attention, whether it's a large order, or a single piece.



Some of the Projects We Have Supplied:

Facility	Location	Type of Product
AEP - Conesville	Conesville, OH	Rubber Lined Pipe for FGD
AEP - Ghent	Ghent, KY	Rubber Lined Pipe for FGD
AEP - John Amos	Winfield, WV	Rubber Lined Pipe for FGD
Ameren - Duck Creek	Canton, IL	Rubber Lined Pipe for FGD
Ameren - Portage de Sioux	St Charles, MO	Rubber Lined Pipe for FGD
Buchman Diversion Project	Santa Fe, NM	Rubber Lined Pipe for Process Water
Cinergy - Cayuga	Plainfield, IN	Rubber Lined Pipe for FGD
CIPSCO - Coffeen	Coffeen, IL	Rubber Lined Pipe for FGD
CPS Energy	San Antonio, TX	Rubber Lined Pipe for FGD
CWPL - Dallman	Springfield, IL	Rubber Lined Pipe for FGD
Detroit Edison - Monroe	Monroe, MI	Rubber Lined Pipe for FGD
Ducon Technologies	Farmington, NY	Rubber Lined Pipe for FGD Absorber
Duke Energy - Gibson	Mount Carmel, IN	Rubber Lined Pipe for FGD
Duke Energy - Miami Fort	North Bend, OH	Rubber Lined Pipe for FGD
EKP - Spurlock	Maysville, KY	Rubber Lined Pipe for FGD
France Stone	Fort Wayne, IN	Rubber Lined Pipe for Quarry Slurry
Hadjret Ennous	Hadjret, Algeria	Rubber Lined Pipe for Seawater Intake
Hoosier Energy REC	Merom, IN	Rubber Lined Pipe for FGD Rubber Lined Chevrons for Mist Eliminator
IKEC - Clifty Creek	Madison, IN	Rubber Lined Pipe for FGD
Illuka Resources	Green Cove, FL	Mining Process Piping
Indianapolis Power & Light	Indianapolis, IN	Rubber Lined Pipe for FGD
Kennecott	Magna, UT	Rubber Lined Pipe for Copper Ore
KU - E.W. Brown	Harrodsburg, KY	Rubber Lined Pipe for FGD
Lynn Water & Sewer	Lynn, MA	Rubber Lined Pipe for Fluidized Combustion
Michigan South Central	Litchfield, MI	Rubber Lined Tanks for Slurry
Midwest Generation	Joliet, IL	Rubber Lined Pipe for FGD
NIPSCO - Bailly	Chesterton, IN	Rubber Lined Pipe for FGD
NIPSCO - Wheatfield	Wheatfield, IN	Rubber Lined Pipe for Waste Water
OVEC - Kyger Creek	Cheshire, OH	Rubber Lined Pipe for FGD
PPG Industries	New Martinsville, WV	Rubber Lined Pipe for Chlorine Manufacturing
Santee Cooper - Cross	Pineville, SC	Rubber Lined Pipe for FGD Rubber Lined Beams for Mist Eliminator
Santee Cooper - Winyah	Georgetown, SC	Rubber Lined Pipe for FGD
SCE & G - Wateree	Eastover, SC	Rubber Lined Pipe for FGD
SCE & G - Williams	Goose Creek, SC	Rubber Lined Pipe for FGD
Shuaibah	Jeddah, Saudi Arabia	Rubber Lined Pipe for Desalinization
Skikda Power Plant	Skikda, Algeria	Rubber Lined Pipe for Seawater
Southwest Power Station	Springfield, MO	Rubber Lined Pipe for FGD
Vale-Inco	Sudbury, Ontario	Rubber Lined Pipe for Ore Slurry
TXU - Oak Grove	Franklin, TX	Rubber Lined Pipe for FGD

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