POLYBALL™

SCREEN CLEANING BALLS

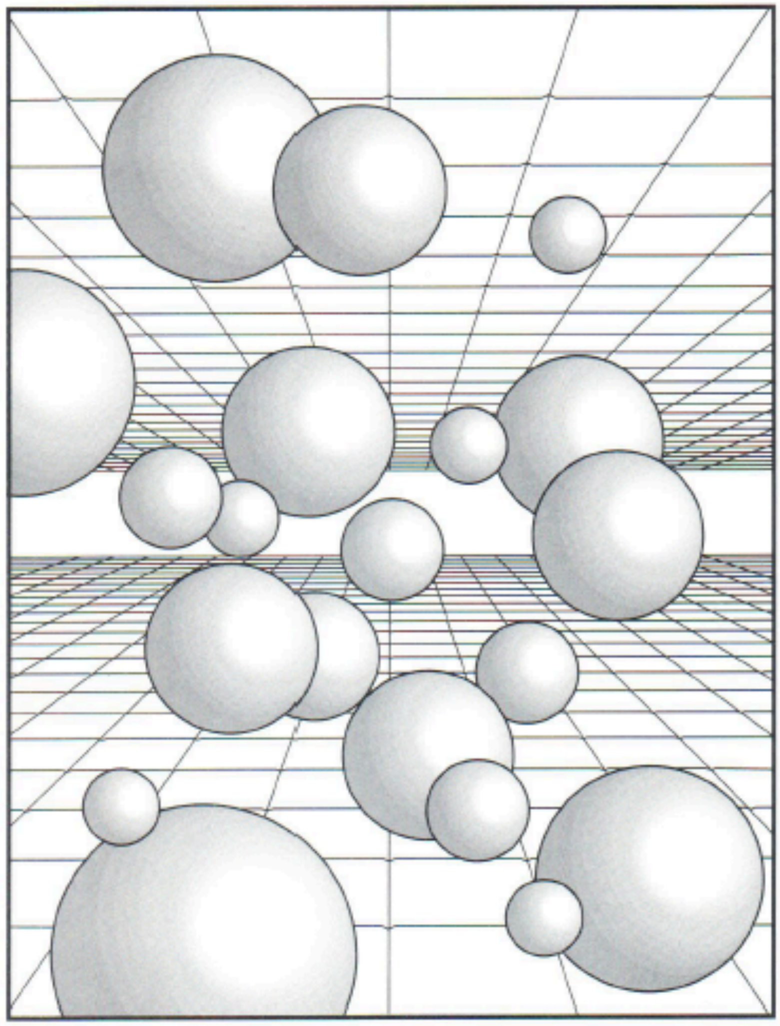
by *Americule Inc.*

Build-up or "blinding" on vibrating screens is a maintenance headache, causing loss of productivity and downtime. In many industries screen cleaning balls are vital to the effectiveness of the sifting/grading process.

Americule's **POLYBALL™** incorporates advanced molding technology that brings you the advantages of high performance polyurethane at competitive prices.

The physical properties of the premium-grade polyurethane utilized with **POLYBALL™** offer a phenomenal improvement over commonly available rubber balls:

- **Solid Cast Thermoset Polyurethane**
  —Superior to all rubber compounds.
- **Extreme Abrasion Resistance**
  —Tremendous wear life reduces maintenance.
- **Non-porous.**
  Oil, Moisture, Chemical Resistant
  — Fights caking and build-up.
  Will not deteriorate.
- **Optimum Rebound Resilience and Durometer (Hardness)**
  —Maximum cleaning action.
  Will not damage screens.
- **FDA-approved for Dry, Aqueous, and Fatty Foods**
  —No contamination, bacteriologically safe.



POLYBALL™ Shaker Screen Cleaning Balls are available direct to you from *Americule* stock in the sizes you need for your application, from 1/2" through 2" diameter. Custom formulations available.

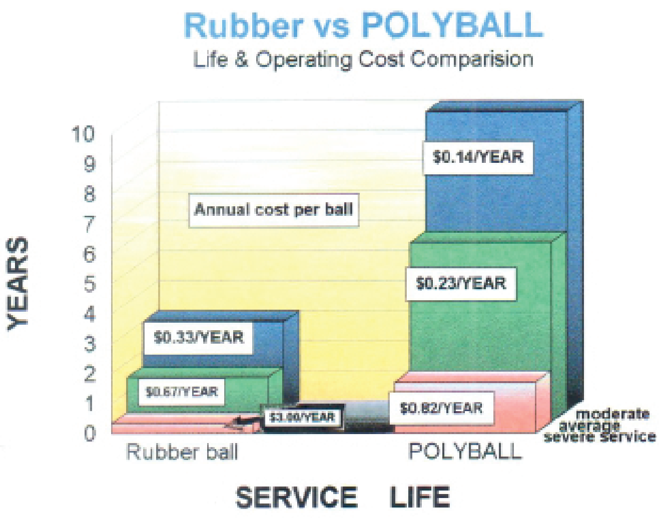
CALL NOW FOR PRICING!

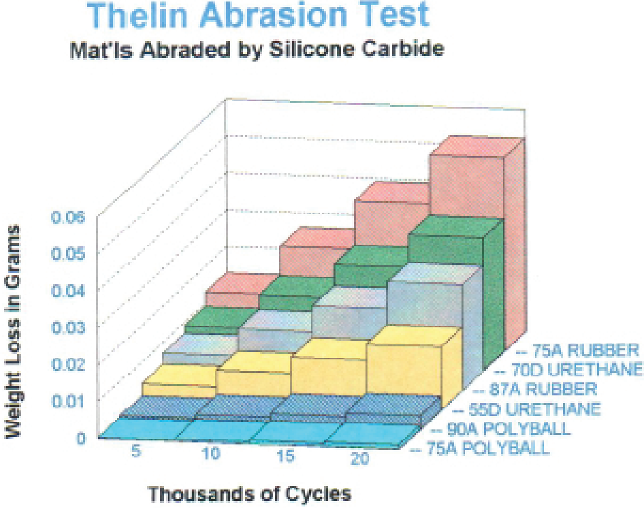
(800) 535-9007

Americule Inc.

14266 Mead St., Longmont, CO 80504

Fax (970) 535-9014





POLYBALL

Technical Data Sheet

Elastomeric Polyurethane Physical Properties

TEST SPECIFICATION	ASTM #	PHYSICALS		
Durometer	D2240	75A	80A	90A
10% Modulus	D412	200 PSI	300 PSI	500 PSI
100% Modulus	D412	500 PSI	800 PSI	1200 PSI
200% Modulus	D412	700 PSI	1100 PSI	1500 PSI
300% Modulus	D412	1000 PSI	1600 PSI	2000 PSI
Tensile Strength	D412	2000 PSI	3300 PSI	3500 PSI
Elongation	D412	500%	460%	440%
Tear Strength (Die C)	D1938	390 PLI	510 PLI	650 PLI
Tear Strength (Nick)	D624	120 PLI	170 PLI	180 PLI
Bashore Rebound	D2632	75%	63%	60%
Compression Set	D395	10%	13%	22%

Material meets compliance criteria of FDA regulation 21 CFR 177.1680, regarding products which come in contact with dry, aqueous and fatty foods.

ASTM TEST METHODS

Modulus (Tensile strength at a given elongation): The stress required to stretch the uniform cross section of a test specimen to a given elongation.

Tensile Strength: The maximum tensile stress applied stretching a specimen to repture.

Elongation: The elongation at time of rupture.

Tear Strength (Die C): The force in pounds necessary to tear a test specimen.

Tear Strength (Nick), also Trouser Tear: The force in pounds necessary to propagate an initial tear across a sheeting specimen.

Bashore Rebound: The determination of impact resilience of material from measurement of the vertical rebound of a dropped weight.

Compression Set: The deterimination of amount of set a material exhibits after being subjected to a compressive stress of 25% deflection for 22 hours at 158F (70C).

REBOUND TEST RESULTS

Material	Temperature			
	150F/66C	76F/24C	32F/0C	-22F/-30C
POLYBALL 65A	70%	65%	55%	35%
POLYBALL 75A	90%	75%	55%	35%
POLYBALL 90A	85%	70%	60%	40%
POLYMAX 55D	40%	45%	70%	75%
Rubber, Gum 45A	80%	65%	25%	5%
Rubber, Natural 50A	90%	70%	35%	5%
Silicone 60A	50%	60%	25%	15%
Neoprene 70A	55%	40%	10%	5%

FUMIGANT EXPOSURE TO POLYBALLS

SUBJECT: Fumigant Test Results DATE: April 29th, 1997

TESTED BY: The Industrial Fumigant Co.

FUMIGANTS TESTED: Methyl Bromide and Aluminum Phosphide (Phosphine)

SAMPLES TESTED: Polyballs; 4 each of 5/8", 1 3/8" and 2" in the above Fumigants.

TEST EXPOSURES:
A) Methyl Bromide: four days at four times the normal dosage.
B) Aluminum Phosphide: Six days at three times the normal dosage.

TEST RESULTS: There were no visible and/or physical effects to the samples in either fumigant test when compared to the control (untested) samples.

Rebound: No change
Durometer: No change
Abrasion resistance: No Change
Visual: No Change