ARMEX® Anilox Roll Cleaning Formula

Product Code 69071 and 69041
20015528, 20015540

ARMEX® Anilox Roll Cleaning Formula is specially formulated for use with automated soda systems for anilox roll cleaning. The media is based on sodium bicarbonate (baking soda) which is a natural, water soluble, inorganic compound with a soft crystalline structure that makes it an ideal, cleaning agent. Anilox Roll Cleaning Formula Media is specifically designed to remove dried ink from anilox rolls without damage to even the highest line count rolls.

Key Features and Benefits

- Optimized crystal size allows complete ink removal with no damage.
- Can remove water based, solvent based or U.V. inks with ease.
- Free flowing qualities reduce flow problems associated with other baking soda-based blast medias assuring a consistent cleaning of your anilox rolls.
- Water soluble - eliminates media residue concerns; simplifies clean-up & disposal; less solid waste generated.
- Safe to use on virtually any substrate, including delicate surfaces, rotating equipment & moving parts found on presses.
- Nontoxic & nonhazardous as defined by EPA & OSHA.
- Contains no free silica, and is nonflammable resulting in significant worker safety advantages
- Contains no solvents or caustic chemicals - reduced air pollution.
- USDA-approved as an A-1 cleaner and suitable for use in FDA-regulated facilities.

Information on Ingredients

- The media contains sodium bicarbonate that meets USP (United States Pharmacopeia) standards and typically has less than 50 ppm each of chloride & sulfate ions.

- The media contains a **hydrophobic** flow aid that has a surface area greater than $80 m^2/gm$ for greatly improved flow properties.

Particle Size

The media has an optimized particle size distribution as follows:

- Retained on 140 mesh sieve (106 microns): 7% max.
- Retained on 200 mesh sieve (75 microns): 45% max.
- Retained on 325 mesh sieve (45 microns): 80% min.
- Retained on 400 mesh sieve (38 microns): 90% min.

Flow Characteristics

Flow characteristics of the media were determined using a Hosokawa Powder Tester and results are summarized in the table below. Any media that has a total flowability index of more than 80 is considered to have very good flow properties.

Type of Test (Max. Score)	Flowability Index (Typical Values)
Angle of Repose (25)	18
Compressibility (25)	23
Angle of Spatula (25)	21-22
Uniformity (25)	23-24
Total (100)	85-87

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Corrosion Data

Aluminum and carbon steel coupons were immersion tested in saturated solutions at 120 F for 14 days. Corrosion rates of the media were found to be significantly lower than those of distilled water.

	Immersion Corrosion Rate (mils/yr.)		
Product	AL-7075	AL-5050	CS-1020
Distilled Water	1.15	1.11	9.0
ARMEX® Cleaning Media	0.25	0.20	0.17

Typical Operating Conditions

The media is specially formulated for use with soda blasting delivery devices. Typical operating conditions are summarized as follows:

Air Pressure:	20-40 psi
Air Volume:	31-48 cfm
Media Flow Rate:	0.25-1.00 lbs/min.

Packaging

The media is packaged in 50-lb and 25-kg multi-walled bags.

Safety

ARMEX® Cleaning Media has an excellent health and safety profile. It presents minimal risk to workers from either short term acute exposure or long term (chronic or subchronic) exposure. Please refer to MSDS for details.

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Testing and Approval

- USDA approved as A-1 cleaner
- Suitable for use in FDA-regulated facilities
- ISO 9002 certified

General Properties

Appearance.....White crystalline powder

Bulk Density..... 60 lbs/ft^2 (1 g/cc)

Taste.....Slightly alkaline

Specific Gravity.....2.2

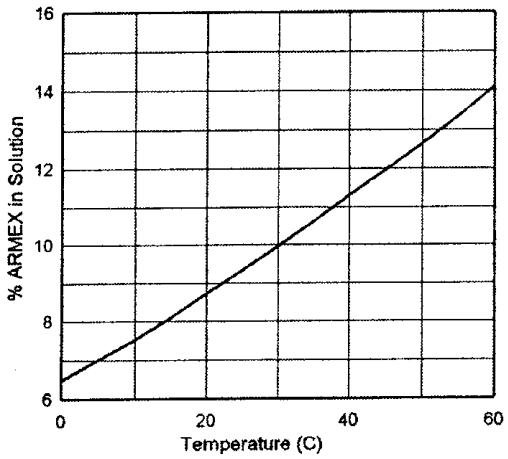
Solubility in Water.....See Figure 1

Solubility in Alcohol.....Insoluble

pH (8% solution)..... 8.2

Mohs Hardness.....2.5

Figure 1 Solubility in Water



For additional information, please call 1-800-332-5424.