

FILAMENTS FOR BRUSHING AFTER ACID TANK: FOR BRUSH ROLLS USED IN COLD STRIP ANNEALING & PICKLING LINES (CAPL)

FOR CLEANING AFTER PICKLING

Standard cold strip annealing pickling lines (CAPL) in stainless steel and non-ferrous plants use an acid pickling process to remove oxidation formed on the strip surface during the annealing process.

After the pickling tanks, acid is removed from the strip surface by wringer rolls and cleaned using brushing units.

The purpose of the brush is to remove the dust produced by pickling and for this, brushes require strong cleaning capacity.

Despite the fact that the wringer rolls and brushes are sprayed with clean water, the brush filaments should still be capable of resisting possible acid contamination.

APT-PP-BILON:

APT-PP-Bilon is a polypropylene-based single filament containing anti-oxidant additives.

It has been developed for hot wet scrubbing applications, where a combination of high temperatures, water and strong acids will degrade other materials.

APT-PP-Bilon. lasts up to five times longer than regular polypropylene in this extreme environment, providing extended brush lifetime.

- Standard diameter: 0.50mm

APT-MULTIFILACID HX19:

APT-MultiFil HX19 is a multifilament: each bristle is made up of multiple thin filaments wrapped and glued together with special resin.

This configuration improves the brushing efficiency through maximum contact of filaments on the surface.

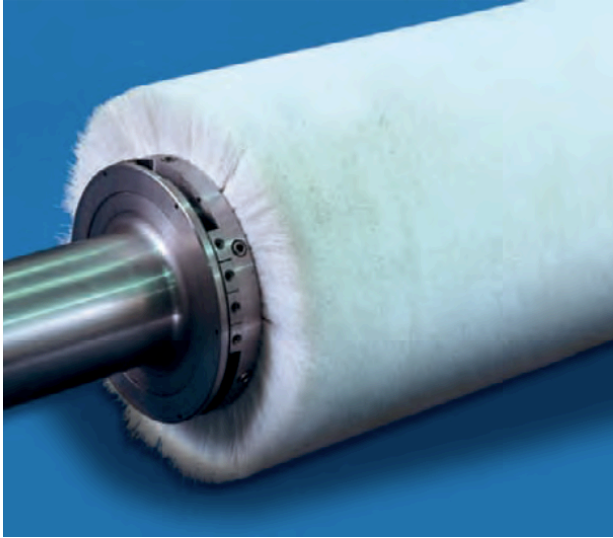
Used for cleaning improvement without abrasive filaments (no roughness change on strip surface).

Used to improve brush roll lifetime.

- Standard diameter: c.a. 1,30mm



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APT-MULTIPURE ACID:

Made from hundreds of ultra fine filaments, APT-MultiPure has a wiping effect and is the best bristle for the removal of very fine particles.

Used for soft materials where scratch-free cleaning is required.

- Standard diameter: ca. 1.30 mm.



APT-MULTIMIX ACID:

APT-MultiMix Acid is a mixture of APT-MultiFil Acid and APT-MultiPure Acid and is the best bristle for acid dust cleaning.

Used in the rinse section for high cleaning performance and to prevent so-called acid spots on the steel surface after rinsing and drying.

- Standard diameter: ca. 1.30 mm

STANDARD ABRASIVE FILAMENTS:

APT-ABRALON:

Single filament made from PA 612, APT-Abralon is a long lasting filament which possesses excellent stiffness and bend recovery properties.

The low moisture absorption properties of PA612 enable APT-Abralon filaments to be used in wet applications with minimal loss of stiffness.

APT-Abralon is used on CAPL lines for surface polishing or grinding.

Used on CAPL between the acid tanks, APT-Abralon is very flexible and adapts very well to a waved strip surface.

- Standard grit range: SiC and AO, from #1000 to #36

APT-ABRAFIL:

APT-Abrafil single filaments have a higher bending stiffness than APT-Abralon and thus a higher abrasive performance.

Used on CAPL applications with flat strip shape.

SPECIAL ABRASIVE FILAMENTS:

APT-ABRALON KK:

A special APT-Abralon version loaded with ceramic grit that offers improved grinding capacity of the brush roll and generates a higher roughness on the strip surface.

- Standard grit range: #320 KK, #240 KK and #80 KK

APT-MULTIBRASIF:

Each bristle is made up of multiple abrasive filaments wrapped and glued together with special resin. This configuration improves the brushing efficiency through maximum contact of filaments on the surface.

Used for improving the polishing and grinding capacity and lifetime of abrasive brush rolls.

- Standard grit range: #1000AO, #500SC, #240SC, #120SC and #80SC