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PROCESS AIDS

PROAID® 800

DESCRIPTION:

Akrochem Proaid 800 is a new dispersing additive for highly filled (mineral, carbon black, etc) and pigment masterbatches. Proaid 800 is used as a process aid in most elastomer systems and in a broad range of thermoplastic resins (ABS, PET, PP, PVC, PS, TPO, and TPE's). Proaid 800 provides good retention of physical properties, color and can dramatically improve processability. When used as a primary dispersant, Proaid 800 can replace PE waxes, EBS, metal stearates and acrylics which are typically used to disperse fillers and/or pigments in polymer/resin systems. The recommended loading for filler dispersion is 0.5 to 2.5%. For pigment dispersions, 5 to 15% is recommended.

Proaid 800 is a state-of-the-art amphiphilic functional hydrocarbon with highly polar groups that have strong affinity to filler surfaces. It works at compatibilizing the filler/polymer interface. These strong polar groups will wet out the surface of the filler and provide molecular bonds with the filler.

Proaid 800 can be used as a direct surface treatment onto inorganic fillers or pigments to improve their dispersion in the polymer matrix. Recommended treatment level would be 0.1 to 2.0%.

TYPICAL PROPERTIES:

Appearance.....	off-white micro beads
Specific Gravity	1.02
Melt point range.....	110°C +/- 10 (230°F)
Flash Point.....	> 290°C (> 554°F)

APPLICATIONS:

Proaid 800 can be used to:

- Improve filler to binder bonding.
- Improve pigments dispersion and color strength.
- Improve compounded physical properties.
- Increase MFI and reduces compound viscosity.
- Reduce agglomerates.
- Reduce surface defects and improves surface finish.
- Reduces cost.

PACKAGING: 55 pound paper bags

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