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PROCESS AIDS

PROAID® AC 18-O -Low Coefficient of Friction-

DESCRIPTION:

PROAID AC 18-O is an saturated oleamide primarily used as a surface lubricant in rubber articles and as an antiblock/slip agent in polyolefin films (LDPE and PP). In rubber it will bloom at low loadings (1-2 phr in NBR and CR; 3-5 phr in EPDM) from most elastomers creating a low coefficient of friction on the surface of molded goods. Proaid AC 18-O will provide a non-oily, non-greasy lubricating film on exposed rubber surfaces. AC 18-O is faster blooming than Akrochem's Proaid AC 18 E. This material also acts as a process aid in all polymers.

TYPICAL PROPERTIES:

Appearance.....	free flowing white beads
Specific Gravity.....	0.82
Melt Point.....	74°C
Iodine Value.....	91
Color, Gardner.....	1

APPLICATIONS:

Proaid AC 18-O's surface lubrication effect can be used to improve a rubber's resistance to sliding abrasion, prevent galling of parts to dry metal surfaces, ease installation of rubber parts by letting them "slip" into position, and reduce sticking together of cured parts.

Suggested Loadings: 0.25 - 2.00 phr for reduced surface tack on cured parts. 3.00 - 5.00 phr for low coefficient of friction surface and improved abrasion wear. Add up to 10 phr for a long-lasting bloom that is self-restoring.

Due to the unsaturation in the oleamide, Proaid AC 18-O may possibly have a greater reduction effect on the rubber's state-of-cure than Proaid LCF (a saturated low coefficient-of-friction additive). AC 18-O will bloom clearer than Akrochem's Proaid LCF. Proaid AC 18-O has FDA listing in CFR 21 Sections 175.105 and 181.28.

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