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MINERAL FILLERS
-ADDITIONAL-

AKROFLON 5R
-Polytetrafluoroethylene-

PRODUCT DESCRIPTION:

Akroflon 5R is a white free-flowing PTFE micropowder. The powder is designed for use as an additive in elastomers or plastics where improved lubricity and/or wear resistance is required. PTFE powders can withstand temperatures as high as 260°C (500°F). Akroflon 5R meets FDA requirements of 21 CFR 175.105, 175.300, 176.170, and 176.180.

TYPICAL PROPERTIES:

Appearance	white powder
Average Particle Size, μ	5
Specific Gravity	2.15
Melting Point, °F / °C.....	608 / 320
Packaging.....	50 pound net weight containers

APPLICATIONS:

Akroflon 5R used in elastomeric parts provides slip (low CoF), non-stick, water repellency, release, rub and abrasion resistance to surfaces. Typically, 5 to 50% (by weight) can be added to elastomeric compounds to achieve the desired properties. Improvements in tear strength, abrasion resistance and flex life have been measured when 10 phr or more of Akroflon 5R are incorporated in fluoro-elastomers, fluoro-silicones, EPDM, neoprene and SBR elastomeric compounds. Akroflon 5R is also recommended for use in water-based, solvent-based, powder and UV coatings, and offset and liquid inks.²

HANDLING AND SAFETY:

Akroflon 5R can release minor amounts of hazardous decomposition products at elevated temperatures. Process equipment should be vented and adequate ventilation provided in the work area. Please refer to the safety data sheet for further information.

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