AKROCHEM CORPORATION
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STEARIC ACID RG
(RUBBER GRADE)

DESCRIPTION:

Stearic Acid (Rubber Grade) is a mixture of fatty acids composed primarily of octadecanoic (stearic), and hexadecanoic (palmitic 50%) acids to a controlled titer (molecular composition) and acid value (presence of unsaturation). It is a light-colored, waxy solid with a characteristic fatty odor. Akrochem's stearic acid is available in flake form. The flake form is primarily tallow-based. Stearic acid has FDA status under 177.2600 regulations.

TYPICAL PROPERTIES:

Titer, °C	52min
Iodine Value	10, max
Acid Number (mg KOH/g)	193 – 214
Saponification Number (mg KOH/g)	195 – 214
Color, Gardner	4
Specific Gravity	0.85
Melting Point, °C	70

TYPICAL COMPOSITION:

Palmitic Acid	50%
Stearic Acid	35%
Oleic Acid	9%
Miscellaneous Saturated Acids	7%

APPLICATION:

Stearic acid is used as a dispersing agent and accelerator activator in rubber compounds. It aids dispersion of pigments and fillers and improves processing since it acts as a stock lubricant and can facilitate mold flow, improve extrusions and aid release. For a higher purity mixture of saturated fatty acids see Akrochem's Stearic Acid TP (triple pressed).

t-stearic acid rg
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