



LOXIOI® G 60

Lubricant

Description

LOXIOI® G 60 is a dicarboxylic acid ester of saturated fatty alcohols.

General Appearance

Slightly yellowish, solid
Available as powder or beads

Specified Data

Parameter	Value	Test Method*
Dropping point (°C)	45 - 48	DIN ISO 2176 AOCS Cc 18-80
Acid value (mg KOH/g)	0 - 2	DIN EN ISO 2114 AOCS Te 1-64
Hydroxyl value (mg KOH/g)	0 - 10	DIN 53240 AOCS Cd 13-60
Color Lovibond 1" yellow	0 - 5	DGF C-IV 4b AOCS Cc 13e-92
Color Lovibond 1" red	0 - 1.5	DGF C-IV 4b AOCS Cc 13e-92
Iodine value (g I/100g)**	0 - 1	DIN 53241 AOCS Tg 1-64
Saponification value (mg KOH/g)**	164 - 176	DIN EN ISO 3681 AOCS TI 1a-64

* Test method: DIN (Europe) | AOCS (Asia)

**Values remain within indicated bandwidth, but will not be measured with every batch.

Properties and Applications

LOXIOI® G 60 is a versatile internal lubricant for rigid PVC. Due to its excellent compatibility with the resin it can be added at high dosage. LOXIOI® G 60 can be utilized with various stabilizers, including lead, tin, calcium/zinc and calcium organic based systems.

Typical applications include injection molded articles and fittings, extruded pipe, window profiles, technical profiles and foamed or compact sheets. LOXIOI® G 60 has minimal influence on the gelation time and improves the flow of the polymer melt in complex articles. LOXIOI® G 60 can be used for transparent articles. LOXIOI® G 60 is also a processing additive for other vinyl free resins.



Recommended Dosage

0.5 - 3.0 % for rigid PVC (compatible with all usual stabilization systems)
0.5 - 1.5 % for other resins

Density

Product Format	Temperature	Measurement
Solid Density	20 °C	0.949 g/cm ³
Powder-Bulk Density	20 °C	0.57 g/cm ³
Beads-Bulk Density	20 °C	0.55 g/cm ³

Certifications

LOXIOI[®] G 60 is registered in compliance with the EU REACH regulation.

Health and Safety Information

Please review our Safety Data Sheet for best practices when using this material.

Packaging Sizes

Bags, 25 kg
Big bags, 900 kg

Storage and Handling

Recommended storage for LOXIOI[®] G 60 is at room temperature. If the storage temperature exceeds 30 °C, there is potential for agglutination. LOXIOI[®] G 60 is durable for at least two years when stored in the original, sealed packaging under cool and dry conditions.

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