



LOXIOI® G 12-40

Lubricant / Release Agent

Description

LOXIOI® G 12-40 is a saturated partial fatty acid ester of glycerine.

General Appearance

White-yellowish, solid
Slight odor

Specified Data

Parameter	Value	Test Method*
Acid value (mg KOH/g)	0 - 2	DIN EN ISO 2114 AOCS Te 1a-64
Color Lovibond 5 1/4" yellow	0 - 15	DGF C-IV 4b AOCS Cc 13e-92
Color Lovibond 5 1/4" red	0 - 2.5	DGF C-IV 4b AOCS Cc 13e-92

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

Properties and Applications

LOXIOI® G 12-40 is a mold release agent for the injection molding of impact modified polystyrene and thermoplastic polyurethane. In ABS, SAN and polyolefines it acts as a flow improver, and it can be used as a slip agent for ABS. For the manufacture of S-PVC, LOXIOI® G 12-40 can be used as a dispersion additive.

At the usual dosage of 1 %, the suitability of LOXIOI® G 12-40 for S-PVC for transparent applications is not affected. LOXIOI® EP 55 is also used as an internal lubricant for PVC. In concentrations up to 2 %, used during suspension polymerization, it leads to the formation of pre-lubricated S-PVC types.



Recommended Dosage

0.5 - 1.0 phr	lubricant in polyolefins and ABS
0.2 - 0.5 phr	internal mold release agent in TPU and SBR
1.0 - 4.0 phr	slip agent in ABS

Additional Properties

Parameter	Value	Test Method
Monoester content (%)	> 40	ISO 7366

Certifications

LOXIOI® G 12-40 is registered in compliance with the EU REACH regulation. LOXIOI® G 12-40 complies with indirect food contact directives. Further information is available upon request.

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

It is recommended to store LOXIOI® G 12-40 at room temperature and to protect the product against the effects of heat and frost. After exceeding a storage temperature of 45 °C the product is no longer free-flowing and there is a risk of agglutination. If stored in original sealed packaging, LOXIOI® G 12-40 should be stable for at least 24 months from the date of manufacture.

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