

Emoltene™ 3GO

Plasticizer for PVB films

Product Description

Emoltene™ 3GO is a high performance PVB film plasticizer which has good UV stability, low volatility and migration.

Segment Applications

Emoltene™ 3GO is primarily used as a plasticizer for Polyvinyl Butyral (PVB) films in automotive and construction safety glass. It can also be used as an additive in coatings and adhesive applications.

Delivery Forms

Available in bulk containers and IBC.



Safe, secure and durable automotive safety glass made possible with Emoltene™ 3GO.

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Sales Specification

| Characteristics | Unit | Specification | Analytical Method ¹ | Comment |
|-----------------------------|----------|---------------|--------------------------------|---------|
| Purity, 3G8 content | % | Min. 97.0 | PO 154-1 | |
| 2G8 content | % | Max 0.65 | PO 154-1 | |
| Triethyleneglycol-monoester | % | Max. 1.7 | PO 154-1 | |
| Total esters | % | Min. 97.0 | PO 154-1 | 2 |
| Color | APHA | Max. 20 | PO 105-4 | |
| Water content | % | Max 0.10 | PO 109-2 | |
| Peroxide value | meq O/kg | Max 1.5 | PO 112-3 | |
| BHT content | ppm | Min. 50 | PO 298 | |
| Acid value | mg KOH/g | Max. 0.1 | PO 110-9 | |
| Hydroxyl number | mg KOH/g | Max. 5.0 | PO 100-21 | |

1. Analytical methods are available on request

2. 1G8, 2G8, 3G8, 4G8, mixed esters

General Characteristics

| Characteristics | Unit | Typical Value ¹ | Comment |
|-----------------|-------------------|----------------------------|----------|
| Density | kg/m ³ | 967 | at 20 °C |
| Appearance | | Clear liquid | |

1. Typical values are for information only and not part of sales specification

Handling and Storage

Wear safety glasses, gloves, protective clothing and rubber boots when handling Emoltene™ 3GO. When not in use, keep the product tightly closed in a dry and cool place.

Regulatory information

Not a VOC according to European classification (1999/13/EC and 2004/42/CE)

CAS No.: 94-28-0

HS No.: 2915 90

REACH registration No.: 01-2119475524-34-XXXX

Effective date: May 8, 2020

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