

# Emoltene™ 100 IRG

Your choice of plasticizer for legendary durability

## Product Description

Emoltene™ 100 IRG is a C10 general-purpose plasticizer famed for its reliability and technical superiority. It is stabilized with 0.25% octadecyl-3,5-di-tertbutyl-4-hydroxy-hydrocinnamate which is added to preserve mechanical and electrical properties by preventing degradation in compounds used at elevated temperatures.

Its legendary life-long durability and low maintenance make it the perfect plasticizer for the toughest outdoor applications and environments. Emoltene™ 100 IRG has excellent processing properties, exceptional UV and weather resistance, low volatility, low migration and low fogging.

## Segment Applications

Flexible PVC such as; Wire & Cables and Roofing membranes.

## Delivery Forms

Bulk (Iso-tanks), Flexitank, Drums (220 kg) and IBC (970 kg)



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## Sales Specification

Characteristics	Unit	Specification	Analytical Method <sup>1</sup>
Ester content	wt.%	Min. 99.0	GC
Acid value	mg KOH/g	Max 0.07	ASTM D1613
Water content	wt.%	Max 0.05	ASTM E1064
Color, Hazen	Hazen	Max 25	ASTM D1209
Antioxidant content	wt.%	0.25-0.30	GC

## General Characteristics

Characteristics	Unit	Typical Value <sup>1</sup>	Comment
Clear colorless liquid			
Molecular weight	g/mol	446.7	
Density at 20°C	kg/m <sup>3</sup>	960-965	EN ISO 12185
Viscosity at 20°C	mPas	120-130	ASTM D445
Refractive index (nD <sub>20</sub> )		1.482-1.486	ISO 5661

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

## Handling and Storage

Perstorp recommends storing Emoltene™ 100 IRG in stainless steel, aluminum or carbon steel containers. Ensure adequate ventilation. Prevent electrostatic discharges. The maximum storage temperature has not been determined, but when stored as recommended, temperatures up to 50°C should present no problem. When stored as recommended, the minimum shelf life is three years.

## Regulatory information

- Not classified according to the CLP regulation (EC) No 1272/2008

CAS No.: 53306-54-0  
 EC (EINECS) no.: 258-469-4  
 REACH registration No.: 01-2119446694-30-0003

CAS No.: 2082-79-3  
 EC (EINECS) no.: 218-216-0  
 REACH registration No.: 01-2119491195-33-XXXX

HS no: 2917 33

Effective date: August 24, 2023

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