



EDENOL® DOZ

Plasticizer

Description

EDENOL® DOZ is di-(2-ethylhexyl)-azelate.

General Appearance

Slightly yellow, liquid

Specified Data

Parameter	Value	Test Method*
Acid value (mg KOH/g)	0 - 1.0	AOCS Te 1a-64T DIN EN ISO 2114
Color Gardner	0 - 1.0	DIN ISO 4630
Density (20 °C)	0.913 - 0.919	ASTM D1045 DIN 51757
Hydroxyl value (mg KOH/g)	0 - 2.2	AOCS Cd 1360 DIN 53240
Moisture (%)	0 - 0.1	DIN 51777
Refractive index (20 °C)	1.445 - 1.451	DIN51423

* Test method: ASTM, AOCS (USA) | DIN (Europe)

Properties and Applications

EDENOL® DOZ is one of the best low-temperature plasticizers commercially available. The outstanding compatibility of EDENOL® DOZ enables it to be used as the sole plasticizer for applications demanding best low-temperature performance, while its relatively low volatility enables compounds to maintain their properties over extended periods of time. EDENOL® DOZ provides excellent resistance to extraction by water, oil and soapy water. Vinyl film, sheeting and coated fabrics prepared with EDENOL® DOZ show excellent surface properties and softness. These vinyls also show excellent long-term aging properties and heat stability. In most applications, DOZ can replace dioctyl sebacate (DOS) 1:1 without loss in performance.

EDENOL® DOZ is suitable for PVC, NBR, NBR/PVC, HNBR, CR, CM and CSM.



Recommended Dosage

5 - 45 phr

Certifications

EDENOL® DOZ complies with indirect food contact directives. Further information is available upon request.

Additional Properties

Parameter	Value	Test Method*
Pour point (°C)	< -67	ASTM D97 DIN ISO 3016

* Test method: ASTM (USA) | DIN (Europe)

Health and Safety Information

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

Packaging Sizes

IBC tote, liquid
Drum, liquid

Storage and Handling

It is recommended to store EDENOL® DOZ at room temperature and to protect the product against the effects of heat and frost. If stored in original sealed containers, EDENOL® DOZ should be stable for at least 24 months from the date of manufacture.

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