



EDENOL® 2192

100 % Biobased Polymeric Plasticizer

Description

EDENOL® 2192 is a polymeric plasticizer with medium viscosity and 100 % based on renewable raw materials.

General Appearance

Slightly yellowish, liquid

Specified Data

Parameter	Value	Test Method
Acid value (mg KOH/g)	0 - 2.0	DIN EN ISO 2114
Refractive index (20 °C)	1.4612 - 1.4625	DIN 51423
Viscosity (mPa·s, 20 °C)	4000 - 6000	DIN 53019

Properties and Application

EDENOL® 2192 is a polymeric plasticizer based to 100 % on renewable raw materials. It is perfectly suitable for the use in bioplastics such as PLA, PHA or blends thereof. EDENOL® 2192 can be used in conventional processing steps, for example extrusion, injection molding or film blowing.

PLA or PLA/PHA blends are rather brittle materials. When EDENOL® 2192 is used as a primary plasticizer in these polymer blends, it improves the handling properties such as the elasticity. In PLA, EDENOL® 2192 provides a much better elasticity (elongation at break) compared with a polyadipate plasticizer with similar viscosity. At the same dosage in PLA/PHA blends, the migration properties are similar or even better compared with a standard polymeric plasticizer.

EDENOL® 2192 can also be used as a plasticizer in PVC formulations to increase the renewable content. To avoid exudation the dosage should not exceed 20 phr.

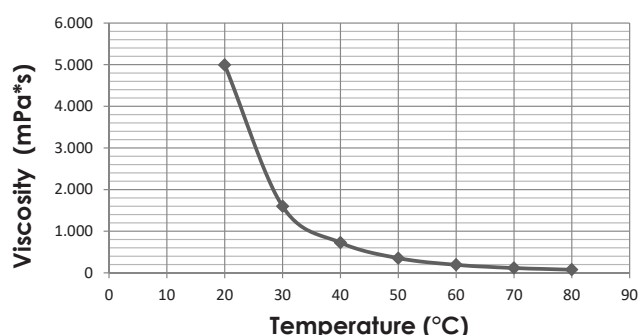


Recommended Dosage

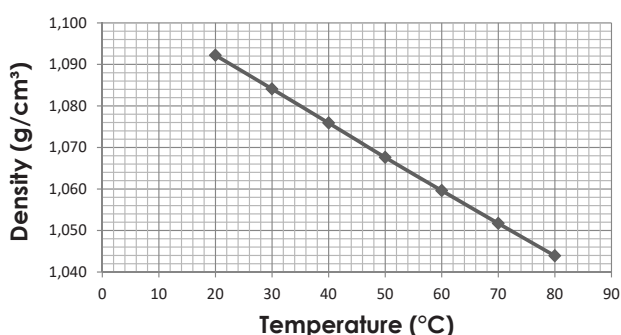
max. 25 % for Bioplastics
max. 20 phr for PVC

Additional Properties

Viscosity



Density



Health and Safety Information

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

Packaging Sizes

Bulk, liquid
IBC tote, liquid
Drum, liquid

Storage and Handling

It is recommended to store EDENOL® 2192 at room temperature and to protect the product against the effects of heat and frost. Due to its pour point, the product may deposit and become solid at temperatures below -5 °C. This physical property is specific to the product and will be reversible when heated under mixing. It has no influence on the effectiveness or its application properties. If stored in sealed original packaging, EDENOL® 2192 should be stable for at least 24 months from the date of manufacture.

For more information, contact your nearest regional office.

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