

Cargill Biovero™ FL-200 plasticizer

Product Description

Biovero™ FL-200 plasticizer is derived from feedstocks sourced from bio-based materials and provides a non phthalate plasticizer option to phthalate and fossil fuel dependent products.

Applications

This product is designed for the critical processing and performance needs of extruded and calendered flooring products.

Advantages

Biovero™ FL-200 plasticizer provides cost savings, performance benefits, and is a more sustainable alternative plasticizer option to phthalate and fossil fuel dependent products. Biovero™ FL-200 plasticizer replaces the synthetic plasticizers that manufacturers currently use today. It offers high efficiency, faster processing, and strong compatibility for PVC and other polymer applications.

- **Permanence** – Strong compatibility and low extractability
- **Efficiency** – Lower loadings to achieve desired flexibility
- **Fast-Fusing** – Faster line speeds for more throughput, and lower processing temperatures
- **Thermal Stability** – Better resistance to degradation from heat exposure

Typical Properties

PHYSICAL-CHEMICAL ANALYSIS	SPEC RANGE	UNIT OF MEASURE	METHOD
Acid Value	<1	mg KOH/g	AOCS Method 3d-63
Appearance	Clear, yellow liquid	-	Visual
Viscosity	15-30	cP at 25°C	Brookfield #18 spindle 200 rpm
Color	<250	APHA	ISO 2211
Density	0.95-1.00	g/ml	AOCS Method Ea 7_95
Moisture	<500	ppm	ASTM E203-01

USA
Minneapolis

China
Shanghai

Europe
Schiphol

Brazil
Sao Paulo

Canada
Winnipeg

India
Gurgaon

Mexico
Ciudad de México

Packaging, Storage, and Handling

Available in drums, totes and bulk trucks. To ensure safe storage of the product, containers should be well sealed and stored at 5 – 35°C. Recommended shelf life is 24 months. Longer storage times and temperatures outside this range have also been used without detrimental effect on product performance. No impact to performance or quality is observed due to freeze and thaw of the product, however, recirculation of the product is recommended. During production, handling, and storage, normal industry-wide safety precautions and best practices should be strictly enforced.

Shelf Life

The recommended shelf life of this product is 24 months. It is counted from the date of manufacture, which can be identified in the shipping documentation.

Environmental and Safety

Biovero™ FL-200 plasticizer is specifically formulated to help minimize safety and environmental risks. The base oil raw material comes from renewable resources, offering alternatives without sacrificing performance.

Additional information

Figure 1. Efficiency curves for Biovero™ FL-200, DOP, DINP, DOTP

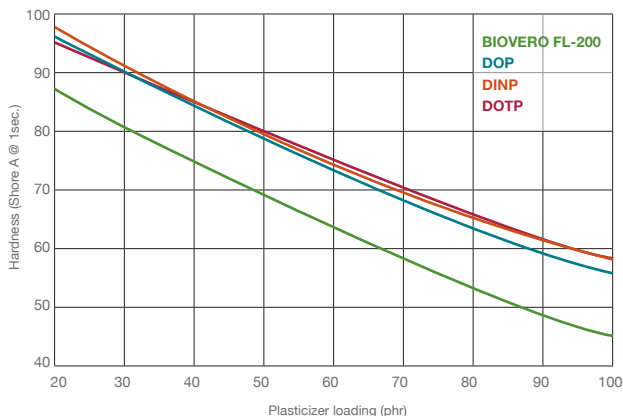
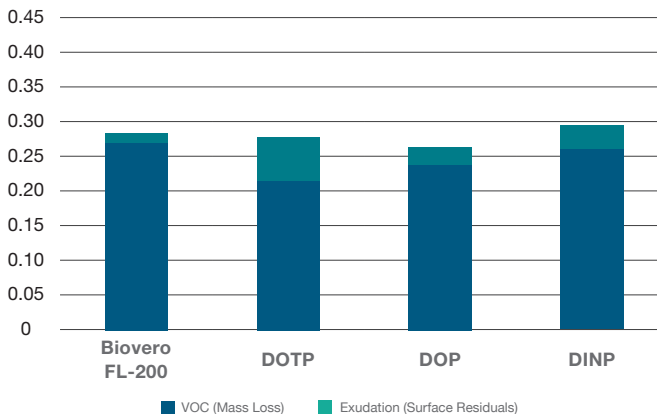


Figure 2. Mass loss (wt %) for Biovero™ FL-200, DOTP, DOP, DINP



Samples were aged at 50°C for 7 days. Hardness was normalized to 60 Shore A.

If you have further questions do not hesitate to **reach out to your local representative.**

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