

Cargill Vikoflex[®] 5075 plasticizer

Product Description

Vikoflex[®] 5075 product is a high-quality monomeric epoxy plasticizer which offers low volatility, excellent low temperature flexibility and high compatibility in polyvinyl chloride systems. The low viscosity of Vikoflex[®] 5075 product makes it suitable for plastisol and organosol formulations. The epoxy functionality provides excellent heat and light stability.

Applications

- PVC plasticization
- Acid and mercaptan scavenging
- Specialty coatings
- Adhesives
- Urethanes
- PU flexible foam
- Semi-rigid and flexible vinyl formulations
- Vinyl plastisol and organosols
- Coated fabrics
- Automotive interiors and moldings

Typical Properties

CHEMICAL & PHYSICAL ANALYSIS ¹	TYPICAL VALUE
% Oxirane Content	4.7%
Viscosity at 25°C (cps)	120
Specific Gravity	0.95
APHA Color	<175
Moisture Content (%)	< 0.05
Acid Value (mg KOH/g)	<1.0
Iodine Value	<5.0
Bio-based Carbon Content (ASTM D6866-22)	94%

¹Note: The specification for quality is final at loading. Cargill reserves the right to use internal analytical methods that follow the international reference methods.

Typical Performance in PVC at 40 phr

CHEMICAL & PHYSICAL ANALYSIS	ASTM STANDARD	TYPICAL
Hardness Shore A	ASTM D2240	87
Tensile Strength	ASTM D638	2900 psi
Elongation	ASTM D638	335%
100% Modulus	ASTM D638	1900 psi
Brittleness Temp.	ASTM D746	-32.0°C

Packaging, Storage, and Handling

Vikoflex® 5075 plasticizer is available in 55-gallon (420 lb. net) drums and 45,000 lb. bulk tank trucks. Reference the Safety Data Sheet for appropriate storage conditions.

Shelf Life

The recommended shelf life of this product is 6 months. It is counted from the date of manufacture, which can be identified in the shipping documentation.

Environmental and Safety

For more information on its environmental and regulatory status, please request our Safety Data Sheet.

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

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