

Voxtar™ E100

Product Description

Voxtar™ E100 is a Pro-Environment Polyol ready to be dropped into existing formulations. Based on mass balance concept, Voxtar™ E100 is a fully renewable Pentaerythritol (Penta) product designed to reduce the carbon footprint and supports sustainable sourcing of renewable raw material. Voxtar™ is third party certified according to the ISCC system which means we have both traceability back to the country of origin ensuring the biomass was sourced in a sustainable way as well as a certified mass balance and greenhouse gas (GHG) calculation.

Perstorp offers six grades of Voxtar™, M40, M100, D40, D100, E40 and E100, based on 40% and 100% renewable resources.

Voxtar™ E100 is high-purity Monopentaerythritol, a polyhydric alcohol with four primary hydroxyl groups. It is a white crystalline material.

Segment Applications

Voxtar™ E100 is used as a building block in rosin esters, synthetic lubricants and alkyd resins.

Delivery Forms

Groundable big bags 500 kg.



Leading the world in
Pro-Environment Polyols

Voxtar™ - the "Rock Star" of renewables. It first hit the charts in 2010 as the world's first renewable Penta. It has become a trendsetter and true legend being able to shrink carbon footprints by up to 80%. Its colorful performance on stage makes it a hit all over the world. Just plug it into your existing process, sit back and listen to the music!

Voxtar™ E100

Sales Specification

Characteristics	Unit	Specification	Analytical Method	Comment
Monopentaerythritol content	%	86-93	PO 115-2	
Hydroxyl number	mg KOH/g	1550-1630	PO 100-2	1
Ash content (as Na)	ppm	Max 30	PO 103-10	

1. As OH-percentage, 47-49.4%
Analytical methods are available on request.

General Characteristics

Characteristics	Unit	Typical value	Comment
Di-Pentaerythritol content	%	7	
Water content	%	0.1	
Phthalic color	Gardner	2	

Pro-Environment Information

Renewable content is 100% based on mass balance concept.

Calculated GHG values:

Cradle to Gate: 1.2 kg CO₂ eq/kg Voxtar™

Cradle to Grave: 1.2 kg CO₂ eq/kg Voxtar™

Cradle to Grave is calculated as Cradle to Perstorp gate + end of life assuming all carbon is converted to CO₂.

ISCC PLUS certified product.

CAS No.: 115-77-5

HS No.: 2905 42

REACH registration No.: 01-2119473985-20-0000

Valid from: March 1, 2018