

# PRODUCT INFORMATION

## Vinnolit GreenVin® PVC / Vinnolit GreenVin® bio-attributed PVC

GreenVin® is the lower carbon ®Vinnolit product line, produced with renewable power from hydropower, wind power or solar energy. For this, Guarantees of Origin for renewable electricity (GOs) with quality label are used. GreenVin® bio-attributed PVC is additionally produced on the basis of mass balanced renewable ethylene.

GreenVin® products have a lower product carbon footprint (PCF). Depending on the PVC grade, the carbon-dioxide savings with GreenVin® PVC are about 25% and with GreenVin® bio-attributed PVC at around 90% <sup>2)</sup> compared to conventionally produced ®Vinnolit PVC. The respective carbon footprint for the entire product portfolio has been calculated by Sustainable AG in accordance with the ISO 14067:2019 standard. Review and certification are carried out by TÜV Rheinland.

GreenVin® bio-attributed PVC uses renewable ethylene from non-food biomass (2nd generation), such as plant residues and waste materials. The certification of GreenVin® bio-attributed PVC is mass-balanced according to ISCC PLUS and REDcert2.

All ®Vinnolit PVC grades are also available as GreenVin® and GreenVin® bio-attributed products - with identical technical specifications and processing properties due to the same production process in the same production facilities. The allocation of renewable electricity or renewable ethylene is purely on balance sheet.

Characteristics	®Vinnolit PVC	GreenVin® PVC	GreenVin® bio-attributed PVC
Proven ®Vinnolit quality	✓	✓	✓
Identical specification	✓	✓	✓
Produced with 100% renewable power	x	✓	✓
Produced with renewable ethylene from biomass	x	x	✓
Greenhouse gas savings <sup>1)</sup>	x	~ 25 %	~ 90 % <sup>2)</sup>
Third-party certified	x	✓	✓

<sup>1)</sup> Greenhouse gas savings relative to conventional Vinnolit PVC

<sup>2)</sup> With consideration of biogenic CO<sub>2</sub> fixations.

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