Document Version 2024-03-21

Charmor™ Pro PT40 C40

Win more time for people and structures

Product Description

Charmor™ Pro PT40 C40 is a Pro-Environment Polyol ready to be dropped into existing formulations. Based on mass balance concept, Charmor™ Pro PT40 C40 is a partly renewable Charmor™ PT40 product designed to reduce the carbon footprint and supports sustainable sourcing of renewable raw material. Charmor™ Pro PT40 C40 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. Charmor™ Pro PT40 C40 is based on 40% renewable carbon content.

Charmor™ Pro PT40 C40 is a polyhydric alcohol containing four primary hydroxyl groups. Charmor™ Pro PT40 C40 is a white powder.

Segment Applications

Intumescent systems

Delivery Forms

Bags 20 kg, 500 kg/pallet
Big bags 500kg

Document Version 2024-03-21

Charmor™ Pro PT40 C40

Win more time for people and structures

Sales Specification

Characteristics	Unit	Specification	Analytical Method[1]	Comment
Monopentaerythritol content	%	Min. 87	PO 115-2	
Hydroxyl number	mg KOH/g	1600-1630	PO 100-2	2
Particle size <40 µm	%	Min. 98.0	PO 125-6	

1. Internal analytical methods are available on request
2. As OH-percentage, 48.5-49.4%

General Characteristics

Characteristics	Unit	Typical Value[1]
Di-Pentaerythritol content	%	7
Water content (final)	%	0.1
Melting point	°C	250
Water solubility (25°C)	%	4.7
Oil absorption number (OAN)	ml/100 g	43

1. Typical values are for information only and not part of sales specification

Pro-Environment Information

Renewable carbon content is 40% based on mass balance concept.

PCF* Including Biogenic CO_2 Uptake: 1.7 kg CO_2eq/kg product
Biogenic CO_2 Uptake: 0.6 kg CO_2/kg product

*Cradle-to-Gate value
All PCF values are calculated based on ISCC, Together for Sustainability, and GHG protocol methodology. The PCF value stated above is updated on a yearly basis, actual values may differ over the year and are stated in the sustainability declaration document. This product is ISCC PLUS certified.

Handling and Storage

Perstorp recommends storing Charmor™ Pro in sealed bags at ambient temperature, in a dry area protected from direct sunlight and the elements. The maximum storage temperature has not been determined, but when stored as recommended, temperatures up to 45°C should present no problems.
This product can form explosive mixtures with air. In order to minimize the risk of dust cloud explosion, always use verified grounding and remove all ignition sources when dispensing the product. Dust from this product on surfaces in the storage or dispensing area should be removed immediately.

HS No.: 2905 42
CAS No.: 115-77-5
REACH No.: 01-2119473985-20-XXXX

ISCC International Sustainability & Carbon Certification

Effective date: March 21, 2024