

Charmor™ Pro DP40 C40

Win more time for people and structures

Product Description

Charmor™ Pro DP40 C40 is a Pro-Environment Polyol ready to be dropped into existing formulations. Based on mass balance concept, Charmor™ Pro DP40 C40 is a partly renewable Charmor™ DP40 product designed to reduce the carbon footprint and supports sustainable sourcing of renewable raw material. Charmor™ Pro DP40 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 DP40 C40 is based on 40% renewable carbon content.

Charmor™ Pro DP40 C40 is a polyhydric alcohol containing six primary hydroxyl groups. Charmor™ Pro DP40 C40 is a white powder.

Segment Applications

Intumescent systems

Delivery Forms

Bags 20 kg, 500 kg/pallet

Big bags 500kg



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Sales Specification

Characteristics	Unit	Specification	Analytical Method ¹	Comment
Di-Pentaerythritol content	%	Min. 90	PO 115-3	
Hydroxyl number	mg KOH/g	1310-1340	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, 39.7-40.6%

General Characteristics

Characteristics	Unit	Typical Value ¹
Water content	%	0.1
Melting point (final)	°C	222
Water solubility (25°C)	%	0.22
Oil absorption number (OAN)	ml/100 g	45

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 CO₂ Uptake: 1.6 kg CO₂eq/kg product
Biogenic CO₂ Uptake: 0.7 kg CO₂/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.: 2909 49
CAS No.: 126-58-9
REACH No.: 01-2119473984-22-XXXX



Effective date: March 21, 2024

USERS ARE ADVISED TO MAKE THEIR OWN INDEPENDENT DETERMINATION OF THE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE. EXCEPT FOR WHAT IS STATED IN PERSTORP'S GENERAL CONDITIONS OF SALE OR SEPARATELY IN A WRITTEN CONTRACT WITH PERSTORP, NO INFORMATION PROVIDED IN THIS DATA SHEET CONSTITUTES A WARRANTY (EXPRESS OR IMPLIED) BY PERSTORP, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.