

Charmor™ Pro PM40 C40

Product Description

Charmor™ Pro PM40 is a Pro-Environment Polyol ready to be dropped into existing formulations. Based on mass balance concept, Charmor™ Pro PM40 C40 is a partly renewable Charmor™ PM40 product designed to reduce the carbon footprint and supports sustainable sourcing of renewable raw material. Charmor™ Pro PM40 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.

Perstorp offers two grades of Charmor™ Pro PM40, based on 100% and 40% renewable resources.

Charmor™ Pro PM40 is a white powder.

Charmor™ Pro PM40 is a polyhydric alcohol containing four primary hydroxyl groups.

Segment Applications

Intumescent systems

Delivery Forms

Bags 20 kg, 500 kg/pallet

Big bags 500kg



Charmor™ Pro PM40 C40

Sales Specification

Characteristics	Unit	Specification	Analytical Method	Comment
Monopentaerythritol content	%	Min. 98	PO 115-2	
Hydroxyl number	mg KOH/g	1625-1650	PO 100-2	As OH %, 49.2-50.0%
Particle size < 40 µm	%	Min. 98.0	PO 125-6	

Analytical methods are available on request.

General Characteristics

Characteristics	Unit	Typical Value
Water content	%	0.1
Melting point (final)	°C	260
Water solubility (25 °C)	%	5.3

Pro-Environment Information

Renewable content is 40% based on mass balance concept.
 Calculated GHG values:
 Cradle to Gate: 1.7 kg CO₂ eq/kg Charmor™ Pro
 Cradle to Grave: 2.7 kg CO₂ eq/kg Charmor™ Pro
 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

REACH No.: 01-2119473985-20-0000, 01-2119473985-20-0001

HS No.: 2905 42

Storage and Handling

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.

Valid from May 1, 2019.