

# Charmor™ DP40

Win more time for people and structures

## Product Description

Charmor™ DP40 is a carbon donor for intumescent coating systems. It has a controlled and narrow particle size distribution, allowing customization of the intumescent system performance. Charmor™ DP40 with a particle size below 40 microns creates a compact stable foam structure with robust properties suitable for turbulent fire conditions.

Charmor™ DP40 has a very low water solubility and the lowest melting point of all the Charmor™ grades. It is a polyhydric alcohol containing six primary hydroxyl groups, milled into small controlled particle size.

## Segment Applications

For passive fire protecting systems / intumescent coating systems

## Delivery Forms

Bags 20 kg, 500 kg/pallet

Big Bags 500 kg



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## Sales Specification

Characteristics	Unit	Specification	Analytical Method <sup>1</sup>	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. Analytical methods are available on request

2. As OH-percentage, 39.7-40.6 %

## General Characteristics

Characteristics	Unit	Typical Value <sup>1</sup>
Water content	%	0.1
Melting point	°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

## Handling and Storage

Charmor™ DP40 is a non-hygroscopic product however it should be stored under dry conditions, in sealed bags and protected for direct sunlight. Avoid handling that forms dust clouds.

CAS No.: 126-58-9

HS No.: 2909 49

EC (EINECS) no.: 204-794-1

REACH registration No.: 01-2119473984-22-XXXX

Effective date: October 26, 2020

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