

# Charmor™ PT40

Win more time for people and structures

## Product Description

Charmor™ PT40 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™ PT40 with a particle size below 40 microns creates a compact stable foam structure with robust properties suitable for turbulent fire conditions. It has a slightly lower water solubility and melting point compared to Charmor™ PM 40. Charmor™ PT40 is a polyhydric alcohol containing four 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
Monopentaerythritol content.	%	Min. 87	PO 115-2	
Hydroxyl number	mg KOH/g	1600 - 1630	PO 100-2	2
Particle size < 40µm	%	Min 98.0	PO 125-6	

1. Analytical methods are available on request

2. As OH-percentage, 48.5-49.4 %

## General Characteristics

Characteristics	Unit	Typical Value <sup>1</sup>
Di-Pentaerythritol content	%	7
Water content	%	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

## Handling and Storage

Charmor™ PT40 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.: 115-77-5

HS No.: 2905 42

EC (EINECS) no.: 204-104-9

REACH registration No.: 01-2119473985-20-XXXX

Effective date: October 26, 2020

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