

Charmor™ PM40

Win more time for people and structures

Product Description

Charmor™ PM40 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™ PM40 with a particle size below 40 microns creates a compact stable foam structure with robust properties suitable for turbulent fire conditions. Charmor™ PM 40 is easy to formulate with to get a robust and reliable intumescent effect to meet general standards. It 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 ¹	Comment
Monopentaerythritol content	%	Min. 98	PO 115-2	
Hydroxyl number	mg KOH/g	1625 - 1650	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, 49.2-50.0 %

General Characteristics

Characteristics	Unit	Typical Value ¹
Water content	%	0.1
Melting point	°C	260
Water solubility (25 °C)	%	5.3
Oil absorption number (OAN)	ml/100 g	41

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

Handling and Storage

Charmor™ PM40 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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