

Charmor™ DP15

Win more time for people and structures

Product Description

Charmor™ DP15 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™ DP15 with a particle size below 15 microns creates a foam with high expansion factor, resulting in increased thermal insulation in confined spaces.

Charmor™ DP15 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 10 kg, 250 kg/pallet



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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 < 15 µm	%	Min. 98.0	PO 125-4	

1. 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	°C	222
Water solubility (25 °C)	%	0.22
Oil absorption number (OAN)	ml/100 g	49

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

Handling and Storage

Charmor™ DP15 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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