

Pentaerythritol ICX

Product Description

Pentaerythritol ICX (Penta ICX) is Penta of very high purity and controlled particle size. It is a white crystalline material. The product is a polyhydric alcohol containing four primary hydroxyl groups. Penta ICX, with its elevated Di-Penta content, is specially designed for PETN filled in ignition cords (IC).

Segment Applications

Penta ICX is specially designed for Nitration and the production of Penta Tetra Nitrate (PETN). Naturally the product can be used for the production of other type of esters as well.

Delivery Forms

25 kg bags as 750 and 1000 kg/pallet
Groundable big bags (Type-C) 500Kg



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Sales Specification

Characteristics	Unit	Specification	Analytical Method ¹	Comment
Monopentaerythritol content	%	Min. 97.5	PO 115-2	
Hydroxyl number	mg KOH/g	1625 - 1650	PO 100-2	2
Ash content (as Na or Ca)	ppm	Max. 15	PO 103-10	

1. Analytical methods are available on request

2. As OH-percentage, 49.2-50.0 %

General Characteristics

Characteristics	Unit	Typical Value ¹
Di-Pentaerythritol content	%	0.8 - 1.8
Water content	%	< 0.1
Particle size < 105 µm	%	< 5

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

Handling and Storage

Penta ICX is a non-hygroscopic product. However it should be stored under dry conditions, in sealed bags, and protected from direct sunlight.

CAS No.: 115-77-5

HS No.: 2905 42

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

REACH registration No.: 01-2119473985-20-0001

Effective date: October 26, 2020

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