

cerapor[®] 723u

Technical data sheet | Revision: 03

Description:

cerapor[®] 723u is expandable polystyrene granulate (EPS) which can be processed into foam boards with reduced thermal conductivity in a recommended density range from 18 – 22 kg/m³.

cerapor[®] 723u contains polymeric flame-retardant and is certified to DIN 4102/B1 and EN 13501-1 class E.

Density range:	18 - 22 kg/m ³
Granulate geometry:	bead-shaped granulate
Screen limits:	1.0 - 2.4 mm
Typical granulate diameter:	1.1 - 1.8 mm (> 90 % by weight)
Pentane content (at the time of packaging):	> 4,5 % by weight
Water content (at the time of packaging):	< 0,3 % by weight
Color:	Ivory

Packaging and storage:

cerapor[®] 723u is shipped in octabins (height max. 192 cm) on wooden pallets (114 x 114 cm) containing 1,150 kg net of material.

The octabins are not weather- or water-proof and must therefore not be exposed to outdoor conditions.

In order to obtain the desired properties of **cerapor[®] 723u**, the raw material should be stored below 20 °C and be processed within one month.

Processing:

> Pre-expansion:

With discontinuously operating, state-of-the-art pre-expanders **cerapor[®] 723u** can be pre-expanded to densities of approx. 16 kg/m³.

> Intermediate aging:

Intermediate aging before block moulding should be between 6 and 48 hours.

> Moulding:

cerapor[®] 723u can be processed in industry standard block moulds.

The steaming should be lower in pressure compared to other white EPS materials, otherwise long cycle time will be the consequence.

cerapor[®] 723u will yield very good fusion of the beads at comparably low steam pressures.

Shipping:

ADR-Marking:	Substance no. 2211 Polymeric beads, expandable
Class:	9
Packing Group:	III ADR

Safety instructions:

Flammable pentane-air mixtures may be generated during storage and processing of **cerapor[®] 723u**. For this reason, adequate ventilation must be ensured (LEL pentane 1.3 % by volume).

The blowing agent pentane escapes relatively slowly from EPS foam blocks. Thus, when cutting recently moulded blocks, the formation of a flammable pentane-air mixture has to be anticipated.

In addition, all conceivable sources of ignition must be kept away, and the build-up of electric charges has to be prevented.