

Suncolor[®] TM

Technical Notice

H-21-TM- Suncolor[®]TM Revision : 00

Description:

Suncolor[®] TM is an extruded expandable polystyrene based polymere blend, which can be pocessed into moulded parts for special packaging with a wall thickness greater than 10 mm.

Granulate geometry:

Suncolor[®] TM is manufactured by an extrusion process and supplied in form of a lentil shaped granulate.

Bead size: 0,7 – 1,5 mm (>95%)

The material may contain minor quantities of abrasion.

Pentane content:

> 4.0% by weight

Water content:

< 0.3% by weight.

Colour:

Naturel white

Packaging and storage:

Suncolor[®] TM is supplied in Oktabins (1100 kg) and steel drums (125 kg).

The packaging is not rainproof and must therefore not be exposed to outdoor conditions.

In order to obtain the desired properties of Suncolor[®] TM , the raw material should be stored below 20°C and be used up within 6 or 12 (in drums) months.

Processing:

Pre-expansion:

With discontinuously operating state-of-the-art pre-expanders, Suncolor[®] TM can be pre-expanded like normal EPS to densities of approximately 17 kg/m³.

Intermediate aging:

With bulk densities between 17 and 35 kg/m³, the intermediate aging time should be between 10 and 24 hours.

Moulding:

Suncolor[®] TM can be processed in industry standard automatic moulding machines.

Special steaming settings are not required. The cooling period should be longer than for other types of EPS to prevent the moulded parts from swelling.

Densities lower than 17 kg/m³ should not be used as this may lead to moulding difficulties (collapse of the moulded parts, difficulties with demoulding, unsatisfactory foam quality).

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 Suncolor[®] exquist. Adequate ventilation must be ensured for this reason. All conceivable sources of ignition must therefore be kept away and the generation of electric charges prevented.

When opening the steel drums, it is important to ensure that any excess pressure is released slowly.

Please note:

This Notice reflects our current knowledge. The suitability for concrete applications must be verified by the processor from a technical and legal point of view. Subject to technical changes.

