

# CIRCULUM®

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## X-225 UNC(oated)

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### DESCRIPTION

**X-225 UNC** is an expandable polystyrene grade containing pentane as a blowing agent. The products are delivered in the form of spherical beads with a bulk density of about 0.6 g/cm<sup>3</sup>. X-225 UNC is available in 1050 kg octabins.

### APPLICATIONS

The properties of **X-225 UNC** make it suitable for very high density beads.

### PROCESSING

The processing conditions of **X-225 UNC** depend on the combination of the product and processing equipment used. Optimal settings have to be adjusted for each combination. Some general processing conditions are given below:

#### Prefoaming

The steam has to be saturated at a temperature of 100–110 °C. Pre-foaming could cause problems because it's not coated. Normally Circulum materials are normally coated to prevent sticking during molding.

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## TECHNICAL INFORMATION

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### TYPICAL PHYSICAL PROPERTIES

#### Raw material

|                             | <u>Value</u> | <u>Unit</u> | <u>Test method</u> |
|-----------------------------|--------------|-------------|--------------------|
| Pentane content             | > 4.5        | %           | Gas chromatography |
| Main bead size distribution | 2 – 3        | mm          | Image analyser     |

### STORAGE

**X-225 UNC** should be stored at below 20 °C. Protect from direct sunlight and other weather conditions (rain, wind, frost etc.). Keep away from any source of ignition. The storage time should not exceed three months. After opening of the packaging, it should be used as soon as possible.

### SAFETY

In transport **X-225 UNC** is classified according to European regulations for product transport: Substance number UN2211, Class 9.

In processing avoid generating dust. All equipment should be properly earthen. Releases pentane during processing which might form a flammable/explosive vapour-air mixture. Use proper ventilation and keep away from any source of ignition. A Safety Data Sheet is available on request.

### RECYCLING

**X-225 UNC** is suitable for recycling using modern methods of grinding, cleaning and regranulation. In-house production waste should be kept clean to facilitate direct recycling.

Please contact your BEWI RAW representative for more details on various aspects of safety, recovery and disposal of the product.

### DISCLAIMER

Due to our extrusion process it is always possible that there is some pollution in the form of different colored beads in the product. While we will endeavor to avoid contamination, it cannot be fully avoided