



Technical Data Sheet

Revision date: 30/01/2025

Product Description:

Eurocell® 200RL is an “Expandable Polystyrene” material in the shape of almost spherical beads, containing pentane as a blowing agent.

Typical properties:

Bead Size Range (mm): 0,9 – 1,25

Sieve Analysis: 0,8 mm – 1,6 mm, min. 96 %

Bulk Density: ≈ 615 kg/m³

Application:

Eurocell® 200RL is an EPS class, which can be produced in 10 kg/m³ and lower densities (double expansion) suitable for block covering, which is cohered in a very good manner, and ensuring rapid molding with its short cycle time.

Eurocell® 200RL in general is used for boxes also suitable for food contact and cushioning product for packaging applications, insulation applications are not requiring fire classification, for industrial application, and shape molding applications with impact absorber.

Packaging:

All Eurocell® products are packed in standard big-bag packages of 1125 kg or octagonal cardboard boxes (octabins-non stackable) of 1.125 kg. The content is protected by an inner sealed plastic liner placed between the product and the container.

Storage:

Eurocell® 200RL should be stored in well-ventilated storage areas with temperatures preferably not exceeding 25°C. It should be protected against unsuitable weather conditions and direct sun light.

Partially used containers should be closed as tight as original conditions, paying attention to avoid any space between the raw material and lining, and should be consumed in a short time. In order to maintain the expansion potential, it is recommended to start the transformation within one month after delivery, if the package is not opened.

Processing:

Beads expansion to block or mold shaped products is managed with steam (water vapor).

Eurocell® 200RL can achieve with double expansion processes a density of 10 kg/m³ and below. The minimum density

achievable may vary depending on the expander type and process conditions.

The recommended intermediate aging time in silos is 3-12 hours depending on the density, the atmospheric and process conditions.

For any further request please contact our technical support department.

Safety and handling:

Please refer to the SDS prior to usage.

General information:

Eurocell® 200RL should be kept away from sparks and flames during processing and storage. Adequate ventilation on floor level is also required during these phases. The grounding of the entire equipment and machinery is essential, in order to prevent static electricity on the conveying lines and during processing.

Safety precautions / measures are included in the “Safety Data Sheet” (SDS).

Depending on the obtained density and atmospheric conditions, it should be considered that EPS products by Eurocell® 200RL may contain pentane gas after processing and should be matured for sufficient time in order to ensure pentane’s removal.

Eurocell® 200RL is suitable and permitted to be used in food contact applications.

Eurocell® 200RL is produced in Aliaga, Türkiye.

grades	beads size (mm)	Application		
		blocks	packaging > 20mm	packaging > 10mm
flame retardant grades ⁽¹⁾				
200RL	0.9 - 1.25	10* - 14		
150R	0.7 - 0.9	16-24		
100R	0.4 - 0.7	22-35		
50R	0.25 - 0.6	23-60		

*multiple expansion