

Technical Data Sheet

EPS HS121

EXPANDABLE POLYSTYRENE (EPS)

HS121 is one of the TPC Performance expandable polystyrene products range. It is a free flowing expandable polystyrene grade, consisting of spherical polystyrene beads containing pentane as the expansion agent. Expandable polystyrene (EPS) is normally expanded to achieve the low densities required for final step expansion. The typical density of this grade is around 14kg/m³, but other densities are possible depending on applications and equipments. HS121 is especially high strength formulated to achieve low density foam without lumps during pre expansion. This grade is not fire retardant, so it is not suitable for building applications.

Applications:

Low Density Block Low density foam blocks made from HS 121 are used as thermal insulation boards for construction applications without special requirements concerning flame resistance or as packaging blanks.

| PROPERTY | UNIT | TEST METHOD | TYPICAL VALUE |
|------------------|-------|---------------------------------|-------------------|
| BEAD SIZE | MM | SUNPOR 7.2.5 (MIN 90% BY WT) | (1.8-2.5)(>90%WT) |
| K-VALUE | -- | SUNPOR 7.2.4 | 55 |
| PANTANE CONTENT | WT% | SUNPOR 7.2.2 | 5.2% |
| EXPANDED DENSITY | KG/M3 | SUNPOR 7.2.6 | 13-15 |
| RESIDUAL MONOMER | PPM | SUNPOR 7.2.1 | Less than 1000 |