

# Technical Datasheet

HS221

## 1) General Information:

HS-221, 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 22 kg/m<sup>3</sup>, but other densities are possible depending on applications and equipment.

HS221 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.

## 2) Applications:

- ✓ Medium Density Block

Low and medium density foam blocks made from HS 221 are used as thermal insulation boards for construction applications without special requirements concerning flame resistance or as packaging blanks.

## 3) Typical data:

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
BEAD SIZE	SUNPOR 7.2.5 (MIN 90% BY WT)	MM	(1-1.8)(>90%WT)
K-VALUE	SUNPOR 7.2.4	-	55
PENTANE CONTENT	SUNPOR 7.2.2	WT %	5.2%
EXPANDED DENSITY	SUNPOR 7.2.6	KG/M <sup>3</sup>	14-30
RESIDUAL MONOMER	SUNPOR 7.2.1	PPM	500

\* All above mentioned data are typical values and not to be construed as real specifications.

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