

**Technical Data Sheet**

**EPS HS221**

EXPANDABLE POLYSTYRENE (EPS)

221HS 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 equipments. 221HS 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:**

Medium Density Block Low- and medium-density foam blocks made from 221HS 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)	(1-1.8)(>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	14-30
RESIDUAL MONOMER	PPM	SUNPOR 7.2.1	Less than 1000