

EPS 121HS Technical Datasheet

Product Description:

HS121 is one of the 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.

Property	Test method	Unit	value
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

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.



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