

## 1. COMPOSITION / INFORMATION ON COMPOSITION

**COMPOSITION :** Styrene homopolymer containing Pentane as blowing agent, and flame retardant additives.

## 2. CHARACTERISTICS

GRADE	UNITS	KSE10	KSE20	KSE30	KSE40	KSE50
BEADS GRANULOMETRY :	mm	1,6 - 2,36	1,18-1,6	0,9-1,18	0,6-0,9	0,4-0,6
COMMON APPLICATION DENSITY:	kg/m <sup>3</sup>	10 - 15	10-20	12-22	13-23	17-27
DENSITY AFTER 1 <sup>st</sup> EXPANSION ON LABORATORY EXPANSER :	kg/m <sup>3</sup>	< 15	< 15	< 17	< 18	< 22
BULK DENSITY OF BEADS :	kg/m <sup>3</sup>	610 +/- 30				

## 3. SPECIFICATIONS

GRADE	UNITS	LIMITS					METHODS :
		KSE10	KSE20	KSE30	KSE40	KSE50	
BEADS DISTRIBUTION GRANULOMETRY A MINIMUM OF 90% OF BEADS HAVE TO HAVE A DIAMETER BETWEEN	MM	1,25 and 2,5	0,9 and 1,7	0,76 and 1,4	0,5 and 1,05	0,4 and 0,71	Image Analysis
RESIDUAL MONOMERS	ppm	<1000					GC ASTM D5135
PENTANE LEVEL EXIT PRODUCTION (PENTANE ISOMERES BLEND )	%	4,5 and 6,7	5,3 and 6,7	5,3 and 6,7	5,3 and 6,7	5,3 and 6,7	GC Gas Chromatography

## 4. PACKAGING

The GRADES K-CELL are available in octabins of 1100 Kg or big bags of 1200 Kg( net weight ).

## 5. STORAGE

In case of packaging in octabins (octogonal cardboard)

The octabins are not waterproof and their mechanical resistance depends of the % of the humidity of carton. It must therefore not be exposed to outdoor or wet conditions.

To avoid falls and degradations, octabins could not be stacked if the humidity of the carton is > to 12% and could not in more than 2 levels, if the humidity of carton is ≤ to 12%.

Moreover the beads contains a flammable expanding agent, pentane, thus EPS should be stored in cold and well ventilated rooms.

In case of packaging in big bags (flexible PP canvas)

Big bags can be stored in outdoor conditions or in a cold and well ventilated room (see above).

To avoid falls and degradations, big bags can not be stacked in several levels.

See MSDS for more information.

## 6. SECURITY

**The K-CELL grades may give off flammable vapours while storing or transforming.**

It is important :

- to keep away from any sources of ignition, no naked lights, no smoking
- to store the product in outdoor conditions (big bags) or in ventilated rooms (big bags or octabins)

SPTLLA26-O

Révision 0

Applicable au 1/06/15

**Knauf Gabriel Technologie**  
**TECHNICAL DATA SHEET**  
**EXPANDABLE POLYSTYRENE K-CELL KSE\*\*C**

**GABRIEL TECHNOLOGIE**

**S.A.**

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Refer to data security sheet for more information.

## 7. IMPORTANT

The other characteristics of this technical sheet are founded on our current knowledge.

According to the numerous factors which can influence the transformation or use of these products, they could not excuse user his own checks and trials.

It will not be deduct from our indications a legal guarantee to obtain determined properties and using possibilities for a concrete use.

The possession, handling of products, the making use and the applications are submitted to each country regulations.

The buyer of our products commits oneself to respect the existing patents and prescriptions as well as existing laws.

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**1. Document(s) afférent(s) et enregistrement(s).**

SPTLLA00 Spécification produits finis

**2. Éléments de gestion du document.**

<b>REDACTION</b> 24/02/15  R.A.Q. J. DEPELSENAIRE	<b>VERIFICATION</b> 26/02/15  R.L.S.T.R&D J-C. BESSON	<b>VERIFICATION</b> 12/03/15  Conseiller en prévention B.BOUILLIEZ	<b>REVUE et APPROBATION</b> 13/05/15  Directeur site J.DE MOORTEL
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Diffusion : Assurance qualité - Knauf

INDICE	DATE	Nature de la modification
Ø	1/06/15	Edition initiale