

455E

Expandable Polystyrene (EPS)

Self-Extinguishing Grade

Description:

455E is a Self-Extinguishing (SE) grade Expandable Polystyrene (EPS) containing Pentane as blowing agent. This grade is developed to meet the demand for fast cycles in vacuum molding and conventional molding machines.

It is particularly well suited for the manufacture of EPS packaging products, with part wall thickness less than 10 mm. and where SE properties advantageous. SE grades can generally not be used in food packaging.

Physical Properties:	Unit	Value
Bead Size Diameter	mm.	0.40 – 0.90 ≥ 99.0%
Molding Density Range	g/l	24 - 40
Moisture Range	Wt.%	≤ 0.80
Blowing Agent (Pentane)	Wt.%	≥ 6.0
K-Value	-	53.5 – 55.5
DIN 4102 – class B2 Passed		
*Lower density can be achieved in multiple pre-expansion		

Processing Technique

*Silo time is 12 - 24 Hrs. under ambient temperature between 25 – 40 °C, relative humidity > 50 %

Remark: The values presented on the above are typical laboratory average, not to be construed as specifications and may vary within moderate ranges. The applicability or the accuracy of this information or the suitability of our products cannot be guaranteed because the conditions of use on the part or our uses are beyond our control.