

Technical Data Sheet

EPS(Expandable Polystyrene) SEPS N12

Features Self-extinguish, High multiple
Applications Insulation board, Sandwich Panel

Typical Properties	Test Method	Value
Bead Size	Kumho	1.1 ~ 1.5 mm
Expandability ¹⁾	Kumho	80 multiple
Blowing Agent	Kumho	5.5 %
Normal Molded Density Range	Kumho	14 ~ 17 kg/m ³

1) Expandability : Expansion multiple after 5 minutes in steam chamber (0.3 kgf/cm² steam pressure)

Mechanical Properties	Test Method	Value
Density	KS M 3808	20 kg/m ³
Primary Thermal Conductivity	KS M 3808	0.038 W/mk
Flexural Demolition Load	KS M 3808	27 N
Compression Strength	KS M 3808	10 N/cm ²
Amount of Water Absorption	KS M 3808	0.3g /100cm ²
Combustibility	KS M 3808	2.3 sec 24 mm

1) KS M 3808 : The Korean Industrial Standard□

Flammability	Test Method	Value
UL	UL 94	HF-1(Approval)
	UL 723	Approval
DIN	D4102-1	B1(Approval)

Notes

These are just typical properties, not specifications. Users should confirm results by their own test.