

## Technical Data Sheet

# EPS(Expandable Polystyrene) EPOR 20 I

**Features** Self-extinguish, Energy saving, Lower thermal conductivity  
**Applications** Insulation board, Construction Materials

Typical Properties	Test Method	Value
Bead Size	Kumho	0.8 ~ 1.5 mm
Expandability <sup>1)</sup>	Kumho	60 multiple
Blowing Agent	Kumho	4.7 %
Normal Molded Density Range	Kumho	20 ~ 25 kg/m <sup>3</sup>

1) Expandability : Expansion multiple after 5 minutes in steam chamber (0.3 kgf/cm<sup>2</sup> steam pressure)

Mechanical Properties	Test Method	Value
Density	KS M 3808	20 kg/m <sup>3</sup>
Primary Thermal Conductivity	KS M 3808	0.033 W/mk
Flexural Demolition Load	KS M 3808	27 N
Compression Strength	KS M 3808	10 N/cm <sup>2</sup>
Amount of Water Absorption	KS M 3808	0.4g /100cm <sup>2</sup>
Combustibility	KS M 3808	2.4 sec 28 mm

1) KS M 3808 : The Korean Industrial Standard□

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

### Notes

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