



## Flame Retardant Expanded Polystyrene

-- a flame retardant (FR) expanded polystyrene grade containing a cycloaliphatic brominated hydrocarbon as an FR additive.

### **End product**

	<u>10 kg/m<sup>3</sup></u>	<u>15 kg/m<sup>3</sup></u>	<u>20 kg/m<sup>3</sup></u>	<u>30 kg/m<sup>3</sup></u>	<u>40 kg/m<sup>3</sup></u>
Compressive stress (10 %), (kPa)	35	75	115	200	280
Bending strength, (kPa)	120	180	240	390	560
Heat conductivity ( $\lambda_{10}$ ), (W/mK) Heat flow meter-method	0.045	0.037	0.035	0.033	0.032

### **Fire Rating**

Complies with DIN 4102 B1 (German) and EN 13501-1 class E (EU)

### **Applications**

This EPS is suitable for light insulation board and impact sound-insulation board ("Trittschall") in accordance with DIN 4102 part 1, class B1 (test certificate Z-PA-III 2.2575 of the Deutsches Institut für Bautechnik, Berlin).

Long term heat resistance: max. temperature 85 °C