

SolutionPartner


EPS R240

Expendable Polystyrene

Description

Flame Retardant

Application

Insulation Board, Sandwich Panel
Civil Engineering & Construction Materials

Properties	Test Condition	Test Method	Unit	Typical Value
Physical				
Water Absorption		KS M 3808		
	15g/L		g/100cm ²	0.75
	20g/L		g/100cm ²	0.72
	25g/L		g/100cm ²	0.45
Thermal Conductivity	30g/L		g/100cm ²	0.42
		KS M 3808		
	15g/L		Kcal/m·hr·°C	0.035
	20g/L		Kcal/m·hr·°C	0.032
Mechanical	25g/L		Kcal/m·hr·°C	0.031
	30g/L		Kcal/m·hr·°C	0.029
		KS M 3808		
	15g/L		kg/cm ²	0.86
Impact Strength	20g/L		kg/cm ²	1.26
	25g/L		kg/cm ²	1.75
	30g/L		kg/cm ²	2.15
Flexural Strength		KS M 3808		
	15g/L		kg/cm ²	1.95
	20g/L		kg/cm ²	2.65
	25g/L		kg/cm ²	3.44
Thermal	30g/L		kg/cm ²	4.22
		KS M 3808		
	15g/L		sec.	0.9
	20g/L		sec.	0.8
Flexural Strength	25g/L		sec.	0.8
	30g/L		sec.	0.7

Note) Typical values are only for material selection purpose, and variation within normal tolerances are for various colors.

Values given should not be interpreted as specification and not be used for part or tool design.

All properties, except melt flow rate are measured on injection moulded specimens and after 48 hours storage at 23°C, 50% relative humidity.

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