

R120



EPS : Flame Retardant Grade

Application

Insulation board, sandwich panel, civil engineering & construction materials, self-extinguishing shapes.

Characteristics

LG flame retardant expandable polystyrene is a standard grade EPS for block molding and self-extinguishing shape moldings.

Properties

Item	Test Method	Test Condition	Unit	Value
PHYSICAL				
Water Absorption Amount	KS M 3808	15g/L	g/100cm ²	0.65
		20g/L	g/100cm ²	0.35
		25g/L	g/100cm ²	0.2
		30g/L	g/100cm ²	0.2
Thermal Conductivity	KS M 3808	15g/L	Kcal/m·hr·°C	0.034
		20g/L	Kcal/m·hr·°C	0.031
		25g/L	Kcal/m·hr·°C	0.03
		30g/L	Kcal/m·hr·°C	0.029
MECHANICAL				
Impact Strength	KS M 3808	15g/L	kg/cm ²	0.91
		20g/L	kg/cm ²	1.36
		25g/L	kg/cm ²	1.91
		30g/L	kg/cm ²	2.4
Flexural Strength	KS M 3808	15g/L	kg/cm ²	2.01
		20g/L	kg/cm ²	3.06
		25g/L	kg/cm ²	3.98
		30g/L	kg/cm ²	4.96
FLAMMABILITY				
Flammability Time of Burning	KS M 3808	15g/L	sec.	1
		20g/L	sec.	0.7
		25g/L	sec.	0.8
		30g/L	sec.	0.8

*Note : 1)The values of properties in the above table have been obtained by the test pieces(natural color) manufactured under certain of injection.

2)The listed values should be used for referential purposed only.

Contact the support team for any questions or requirements relevant to EPS R120 products.



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