

LG EPS R240

Expanded Polystyrene

LG Chem Ltd.

Message:

Description

Flame Retardant

Application

Insulation Board, Sandwich Panel, Civil Engineering & Construction Materials

General Information			
UL YellowCard	E67171-102188387		
Features	Flame Retardant		
Uses	Construction Applications		
	Engineered Applications		
	Foamed Insulation Board		
	Insulation		

Physical	Nominal Value	Unit	Test Method
Water Absorption			Internal Method
-- 1	0.00720	g/m ²	
-- 2	0.00750	g/m ²	
-- 3	0.00420	g/m ²	
-- 4	0.00450	g/m ²	
Impact Strength			Internal Method
-- 5	0.172	MPa	
-- 6	0.211	MPa	
-- 7	0.0843	MPa	
-- 8	0.124	MPa	
Burning Rate			Internal Method
-- 9	0.8	sec	
-- 10	0.9	sec	
-- 11	0.7	sec	
-- 12	0.8	sec	

Mechanical	Nominal Value	Unit	Test Method
Flexural Strength			Internal Method
-- 13	0.337	MPa	
-- 14	0.414	MPa	
-- 15	0.191	MPa	
-- 16	0.260	MPa	

Thermal	Nominal Value	Unit	Test Method
Thermal Conductivity			Internal Method

-- 17	0.034	W/m/K
-- 18	0.036	W/m/K
-- 19	0.037	W/m/K
-- 20	0.041	W/m/K

NOTE

1.	20 g/L
2.	15 g/L
3.	30 g/L
4.	25 g/L
5.	25 g/L
6.	30 g/L
7.	15 g/L
8.	20 g/L
9.	20 g/L
10.	15 g/L
11.	30 g/L
12.	25 g/L
13.	25 g/L
14.	30 g/L
15.	15 g/L
16.	20 g/L
17.	30 g/L
18.	25 g/L
19.	20 g/L
20.	15 g/L

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