

LG Chemical R240 EPS, Flame Retardant

Category : Polymer , Thermoplastic , Polystyrene (PS) , Expanded Polystyrene (EPS)

Material Notes:

Feature: Expendable Polystyrene, Flame Retardant Application: Insulation Board, Sandwich Panel Civil Engineering & Construction

Materials CAS No. 9003-53-6, 109-66-0, 3194-55-6 and 106-97-8 Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-R240-EPS-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Water Absorption	0.42 %	0.42 %	[g/100cm ²], 30g/L; KS M 3808
	0.45 %	0.45 %	[g/100cm ²], 25g/L; KS M 3808
	0.72 %	0.72 %	[g/100cm ²], 20g/L; KS M 3808
	0.75 %	0.75 %	[g/100cm ²], 15g/L; KS M 3808

Mechanical Properties	Metric	English	Comments
Flexural Yield Strength	0.176 MPa	25.5 psi	15g/L; KS M 3808
	0.260 MPa	37.7 psi	20g/L; KS M 3808
	0.337 MPa	48.9 psi	25g/L; KS M 3808
	0.414 MPa	60.0 psi	30g/L; KS M 3808
Impact	0.86	0.86	[kg/cm ²], 15g/L; KS M 3808
	1.26	1.26	[kg/cm ²], 20g/L; KS M 3808
	1.75	1.75	[kg/cm ²], 25g/L; KS M 3808
	2.15	2.15	[kg/cm ²], 30g/L; KS M 3808

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.0337 W/m-K	0.234 BTU-in/hr-ft ² - °F	30g/L; KS M 3808
	0.0360 W/m-K	0.250 BTU-in/hr-ft ² - °F	25g/L; KS M 3808
	0.0372 W/m-K	0.258 BTU-in/hr-ft ² - °F	20g/L; KS M 3808

Thermal Properties	Metric	English	Comments
	0.0467 W/m-K	0.0171 U-in/hr-ft ² - °F	15g/L, KS M 3008

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