

LG Chemical R320 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-R320-EPS-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Water Absorption	0.65 %	0.65 %	[g/100cm ²], 25g/L; KS M 3808
	0.65 %	0.65 %	[g/100cm ²], 30g/L; KS M 3808
	0.80 %	0.80 %	[g/100cm ²], 20g/L; KS M 3808
	1.0 %	1.0 %	[g/100cm ²], 15g/L; KS M 3808

Mechanical Properties	Metric	English	Comments
Flexural Yield Strength	0.172 MPa	24.9 psi	15g/L; KS M 3808
	0.240 MPa	34.8 psi	20g/L; KS M 3808
	0.309 MPa	44.8 psi	25g/L; KS M 3808
	0.374 MPa	54.2 psi	30g/L; KS M 3808
Impact	0.85	0.85	[kg/cm ²], 15g/L; KS M 3808
	1.23	1.23	[kg/cm ²], 20g/L; KS M 3808
	1.64	1.64	[kg/cm ²], 25g/L; KS M 3808
	2.09	2.09	[kg/cm ²], 30g/L; KS M 3808

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.0349 W/m-K	0.242 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
	0.0384 W/m-K	0.266 BTU-in/hr-ft ² -°F	20g/L; KS M 3808

Thermal Properties	Metric	English	Comments
	0.0418 W/m-K	0.00075 BTU-in/hr-ft ² -°F	15g/L, KS M 3003

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