

## LG Chemical B160 EPS, Non-Flame Retardant

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

### Material Notes:

Feature: Expendable Polystyrene, Non-Flame Retardant  
 Application: Package, Fruit/Fish Box, Floats, Pad, Ice Box  
 CAS No. 9003-53-6 and 109-66-0  
 Information provided by LG Chemical

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LG-Chemical-B160-EPS-Non-Flame-Retardant.php](http://www.lookpolymers.com/polymer_LG-Chemical-B160-EPS-Non-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Water Absorption	0.32 %	0.32 %	[g/100cm <sup>2</sup> ], 30g/L; KS M 3808
	0.35 %	0.35 %	[g/100cm <sup>2</sup> ], 25g/L; KS M 3808
	0.40 %	0.40 %	[g/100cm <sup>2</sup> ], 20g/L; KS M 3808
	0.44 %	0.44 %	[g/100cm <sup>2</sup> ], 15g/L; KS M 3808

Mechanical Properties	Metric	English	Comments
Flexural Yield Strength	0.181 MPa	26.3 psi	15g/L; KS M 3808
	0.275 MPa	39.8 psi	20g/L; KS M 3808
	0.363 MPa	52.6 psi	25g/L; KS M 3808
	0.392 MPa	56.9 psi	30g/L; KS M 3808
Impact	0.91	0.91	[kg/cm <sup>2</sup> ], 15g/L; KS M 3808
	1.32	1.32	[kg/cm <sup>2</sup> ], 20g/L; KS M 3808
	1.75	1.75	[kg/cm <sup>2</sup> ], 25g/L; KS M 3808
	2.3	2.3	[kg/cm <sup>2</sup> ], 30g/L; KS M 3808

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

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

## Contact Songhan Plastic Technology Co.,Ltd.

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