

LG Chemical IM812 Acrylic impact modifier

Categories: [Other Engineering Material](#); [Additive/Filler for Polymer](#)

Material Notes: Description: LG AIM (Acrylic impact modifier) is a type of additives that improves weather-resistance, impact strength, and processability of thermoplastic resin including PVC, which is used for products of outdoor applications.

Application: Sheet, Pipe, Fitting etc

Information provided by LG Chemical

Vendors: No vendors are listed for this material. Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

Physical Properties	Metric	English	Comments
Specific Gravity	1.02 - 1.20 g/cc	1.02 - 1.20 g/cc	
Bulk Density	>= 0.390 g/cc	>= 0.0141 lb/in ³	Aerated; LSY-QB-KD019
Volatiles	<= 1.0 %	<= 1.0 %	ISO 1625
Particle Mesh Size	20 Mesh	20 Mesh	<3%, (mesh on); LSY-QB-KD022
	200 Mesh	200 Mesh	<20%, (mesh pass); LSY-QB-KD023
Vapor Pressure	0.0227 bar @Temperature 20.0 °C	17.0 torr @Temperature 68.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	132 - 149 °C	270 - 300 °F	
Flash Point	400 °C	752 °F	

Descriptive Properties

Caking		<90%	LSY-QB-KD009
Foreign Material		<3 (10 x 10 cm)	LSY-QB-KD005
Fusion time		35-60 sec	ISO 1830-6

Some of the values displayed above may have been converted from their original units and/or rounded in order to display the information in a consistent format. Users requiring more precise data for scientific or engineering calculations can click on the property value to see the original value as well as raw conversions to equivalent units. We advise that you only use the original value or one of its raw conversions in your calculations to minimize rounding error. We also ask that you refer to MatWeb's [terms of use](#) regarding this information. [Click here](#) to view all the property values for this datasheet as they were originally entered into MatWeb.