

LG Chemical EM500 Impact modifier for Engineering Plastics

Category : Other Engineering Material , Additive/Filler for Polymer

Material Notes:

Description: LG Chem impact modifiers for Engineering Plastic are developed to enhance the impact strength of Engineering Plastics (PC, PBT, ABS, PC/PBT, PC/ABS, etc). LG Chem has 2 type impact modifiers - Butadien type, Acryl type. Application: PC Alloy (PC, PC/ABS, PC/PBT) etc
Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-EM500-Impact-modifier-for-Engineering-Plastics.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.06 g/cc	1.06 g/cc	
Bulk Density	>= 0.250 g/cc	>= 0.00903 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-KD030
	200 Mesh	200 Mesh	<35%, (mesh pass); LSY-QB-KD031

Mechanical Properties	Metric	English	Comments
Izod Impact, Unnotched	>= 0.981 J/cm	>= 1.84 ft-lb/in	ISO 180
	@Thickness 6.35 mm, Temperature -30.0 Å°C	@Thickness 0.250 in, Temperature -22.0 Å°F	
	>= 3.92 J/cm	>= 7.35 ft-lb/in	ISO 180
	@Thickness 3.17 mm, Temperature -30.0 Å°C	@Thickness 0.125 in, Temperature -22.0 Å°F	
	>= 4.90 J/cm	>= 9.18 ft-lb/in	ISO 180
	@Thickness 6.35 mm, Temperature 23.0 Å°C	@Thickness 0.250 in, Temperature 73.4 Å°F	
	>= 5.88 J/cm	>= 11.0 ft-lb/in	ISO 180
	@Thickness 3.17 mm, Temperature 23.0 Å°C	@Thickness 0.125 in, Temperature 73.4 Å°F	

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

Descriptive Properties	Value	Comments
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Foreign Material Descriptive Properties	<3 (10 x 10 cm) Value	LSY-OB-KD005 Comments
Fusion time	<90 sec	ISO 1830-6

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