

## LATI LATISHIELD 90/13-07A-V1 Modified Polyphenylene Oxide (PPOm) Base E.M.I. Shielding Plastic (UL94 V-1) (di

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polyphenylene Ether, Molded

### Material Notes:

Description: Latishield E.M.I. shielding materials were developed to solve the problem of shielding electromagnetic interferences with plastic components. The answer is a mixture of two different types of granules, resulting in a homogeneous distribution of the shielding fiber reinforcement throughout the polymer mass during molding. No particular limitations exist on the basic product: filled, reinforced, self-extinguishing, and other materials can be used, except that great care should be given to handling and processing the granule, while steel fiber appearing on the surface of items produced in bright colors should be taken into account. The Latishields are used for molding business machine housings, containers for electronic devices (radio, telecommunications, defense and aeronautical systems, measuring equipment, electronic units for cars). In addition to the shielding effect, the Latishield s also feature good antistatic properties as well low resistivity which make them partially conductive. Specific Notes for this Material: modified polyphenylene oxide base (PPOm); UL94V-1 self-extinguishing; without halogens or red phosphorus. Disclaimer from LATI: This document contains information based on average values as obtained from the results of laboratory tests and observations made on LATI materials. Tested materials were injection molded, used in their natural color, and conditioned in compliance with Standard ASTM D 618, procedure A. These values refer to LATI's best technical and scientific knowledge at the moment of testing and cannot be used as a basis for the development of applications. For a better assessment of the materials, you are kindly requested to contact LATI's technical or commercial offices, which are at your disposal and will supply detailed information on the most suitable characteristics for their intended use. With reference to DPR n.224 dated May 24, 1988, issued in accordance with EC Guide-lines 85/374, LATI Industria Termoplastici S.p.A. declines all responsibility arising from an improper use of the products described in this document. All data provided by LATI.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LATI-LATISHIELD-9013-07A-V1-Modified-Polyphenylene-Oxide-PPOm-Base-EMI-Shielding-Plastic-UL94-V-1-nbspdi.php](http://www.lookpolymers.com/polymer_LATI-LATISHIELD-9013-07A-V1-Modified-Polyphenylene-Oxide-PPOm-Base-EMI-Shielding-Plastic-UL94-V-1-nbspdi.php)

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage	0.0055 cm/cm	0.0055 in/in	LATI
Linear Mold Shrinkage, Transverse	0.0055 cm/cm	0.0055 in/in	LATI

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	63.0 MPa	9140 psi	ISO 527
Flexural Modulus	2.80 GPa	406 ksi	ASTM D790
Izod Impact, Notched	0.700 J/cm @Temperature 23.0 °C	1.31 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa	120 °C	248 °F	

(264 psi) Thermal Properties	Metric	English	ASTM D648 Comments
Flammability, UL94	V-1	V-1	
	@Thickness 3.00 mm	@Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Surface Resistance	1000 ohm	1000 ohm	IEC 93
Comparative Tracking Index	85 V	85 V	IEC 112

Processing Properties	Metric	English	Comments
Melt Temperature	260 - 280 °C	500 - 536 °F	
Mold Temperature	80.0 - 100 °C	176 - 212 °F	
Drying Temperature	100 - 110 °C	212 - 230 °F	Air ovens are sufficient. For thorough drying, use dehumidifiers or vacuum ovens. Avoid excessive working of the material.
Dry Time	>= 3 hour	>= 3 hour	

Descriptive Properties	Value	Comments
Injection Speed	medium - low	

## Contact Songhan Plastic Technology Co.,Ltd.

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