

Kane Ace™ M521

Toughening Agent for thermoset resins

PRODUCT DESCRIPTION

Kane Ace™ M521 is a methylmethacrylate-Butadiene-Styrene Copolymer (MBS) which is dispersible in liquid resin systems unlike conventional powder type core-shell impact modifiers. Well-dispersed core-shell particles give excellent toughening effect while maintaining the high glass transition temperature of the matrix resin.

GENERAL BENEFITS

- Easy handling and dispersion in liquid resin systems
- Excellent impact strength, fatigue properties and adhesion properties
- Maintain high glass transition temperature of the matrix resin
- Improve shrinkage and reduce crack generation during curing
- Improve heat shock resistance of over-moulded parts

TYPICAL APPLICATIONS

- Coating/Painting
- (structural) adhesives
- Thermoset compounds
- Thermoset composites
- 3D printing resin

TYPICAL PROPERTIES

Chemical Description	Methylmethacrylate-Butadiene-Styrene Copolymer
Physical Form	fine white powder
Bulk Density	0,42 g/cm ³
Volatile Matter Content	0,5 %
Practicle Size, d50	130 µm

Note: please be aware that typical properties are approximate reference values. For guaranteed quality specifications, please contact us.

DOCUMENT REFERENCE

TDS_KaneAce_M521 | version nr. 2.0

QUALITY CONTROL

Kaneka Belgium NV follows internationally recognized quality management principles. Our valid ISO certificates can be downloaded from our website.

EN ISO 9001: "Quality Management System"

EN ISO 14001: "Environmental Management System"

EN ISO 50001: "Energy Management System"

STORAGE AND HANDLING

Please consult the "**General safety recommendations for the storage and handling of Kane Ace™ powders**" and **Safety Data Sheet** for additional information concerning personal protective measures, safety, health and environmental information.

SHELF LIFE GUARANTEE

On condition that there is taken care about the conditions for storage(*) as these are mentioned in the Safety Data Sheet and on the packaging itself, Kane Ace™ M521 can be maintained in stock, keeping its characteristics, for a period up to one year after delivery date.

(*) Store free, in original package. Store in cool area, do not store near heat sources. Store in dry well-ventilated area, avoid contact with moisture. Protect from light, especially from direct exposure to sunlight.

REGULATORY INFORMATION

Regulatory information is provided upon request.
Please contact info.regulatoryppd@kaneka.be

HARMONIZED TARIFF CODE

39029090

PRODUCT PACKAGING

Kane Ace™ M521 is supplied in 20-kg paper bags [600 kg per pallet].

ADDITIONAL INFORMATION

For additional information or specific recommendations for your intended application, please contact us.

PERFORMANCE POLYMERS SOLUTIONS VEHICLE

Technical Service Department

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Disclaimer

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SUPPLIER

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