

M20

Technical Datasheet

Chemical Name	MICA	
Grade Name	M20	
CAS No.	12001-26-2	
HS Code	25252000	
EINECS No.	215-479-3	
Molecular Formula	Al ₂ K ₂ O ₆ Si	
Synonyms	- MUSCOVITE - ALUMINIUM POTASSIUM SILICATE	
TEST	SPECIFICATION	METHOD
Appearance	White to off white micronized powder	Visual
Bulk Density - Untapped @25°C (gm/ cm3)	Max 0.43	Graduated Cylinder
Moisture %	Max 1	Oven drying at 105 Deg (3-12) hours.
Whiteness %	Min 70	Colorimeter/Spectrophotometer/Whiteness meter
% SiO ₂	28.5-50.0	XRF / AAS / ICP
% Al ₂ O ₃	13.3-32.0	XRF / AAS / ICP
% K ₂ O	2.5-9.8	XRF / AAS / ICP
% MgO	0.3-5.4	XRF / AAS / ICP
% TiO ₂	0.3-0.9	XRF / AAS / ICP
% Fe ₂ O ₃	1.5-5.8	XRF / AAS / ICP
Particle Size D50 Microns	Max 4 Microns	Particle Size Analyzer (Wet Method)
Particle size D95-100 Microns	Max 20 Microns	Particle Size Analyzer (Wet method)

Product Information:

- M20 is used as inert functional filler in paints, varnishes, coatings, sealants.
- M20 is used in pigments for pearlescent effect.
- M20 is used as a fluidiser in fire extinguisher powder .
- M20 is used as functional filler and extender in high-performance industrial coatings.
- M20 is used in thermosetting polymers for its dielectric properties, heat & acid resistance.

Product Handling & safety:

Please refer to our product MSDS for specific instructions on handling this product.

Product Registration:MICA is approved for use in food contact polymer as per the following chapter headings.

Title: 21 - Food And Drugs

Chapter: I - Food And Drug Administration Department Of Health And Human Services.

Subchapter: B - Food For Human Consumption (Continued)

Part: 176 - Indirect Food Additives: Paper And Paperboard Components.

Subpart: B - Substances For Use Only As Components Of Paper And Paperboard

Section: 176.170 Components Of Paper And Paperboard In Contact With Aqueous And Fatty Foods.

Product Registration:MICA is approved for use in food contact polymer as per the following chapter headings.

Title: Title 21 - Food And Drugs.

Chapter: I - Food And Drug Administration Department Of Health And Human Services.

Subchapter: B - Food For Human Consumption (Continued)

Part: 177 - Indirect Food Additives: Polymers

Subpart: C - Substances For Use Only As Components Of Articles Intended For Repeated Use.

Section: 177.2410 Phenolic Resins In Molded Articles.

Product Registration:MICA is approved for use in food contact polymer as per the following chapter headings.

Title: 21 - Food And Drugs .

Chapter: I - Food And Drug Administration Department Of Health And Human Services.

Subchapter: B - Food For Human Consumption (Continued).

Part: 177 - Indirect Food Additives: Polymers.

Subpart: C - Substances For Use Only As Components Of Articles Intended For Repeated Use.

Section: 177.2600 - Rubber Articles Intended For Repeated Use.

Product Registration:MICA is approved for use in food contact polymer as per the following chapter headings.

Title: 21 - Food And Drugs.

Chapter: I - Food And Drug Administration Department Of Health And Human Services.

Subchapter: B - Food For Human Consumption (Continued).

Part: 178 - Indirect Food Additives: Adjuvant, Production Aids, And Sanitizers.

Subpart: D - Certain Adjuvant And Production Aids.

Section: Sec. 178.3297 Colorants For Polymers.

Product Registration:MICA is approved for use in food contact polymer as per the following chapter headings.

Title: Title 21 - Food And Drugs.

Chapter: I - Food And Drug Administration Department Of Health And Human Services.

Subchapter: A - General.

Part: 73 - Listing Of Color Additives Exempt From Certification.

Subpart: Subpart B - Drugs.

Section: Sec. 73.1496 Mica.

Product Disclaimer

Important : This statement supersedes any Buyers documents. Seller makes no representation, Warranty, Express or Implied, Including of Merchantability of Fitness for a particular use, or purpose.

No statement herein is to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence breach of warranty, strict liability, and tort or contact rising in connection with product(s). Buyers sole remedy and Sellers sole Liability for any claims shall be buyers purchase price. Data and results are based on controlled or lab work and must be confirmed by the buyer by testing for its indented conditions of use.

This product is not been tested for, and is therefore not recommended for, use for which prolonged contact with mucous membranes, abraded skin, or blood is intended, or for use for which implantation within human body is intended.