EASTMAN

Technical Data Sheet

Eastman™ Ester Gum 8WA-M Resin, Kosher

Applications

- Adhesives/sealants-b&c
- Bookbinding
- Caps & lids non-food contact
- Carpet construction
- Case & carton sealing closings
- Commerical printing inks
- Film modification
- Labels non food contact
- Packaging component films
- Packaging components non food contact
- Packaging tape
- Paints & coatings
- Polymer modification
- Protective coatings
- Road markings
- Roofing ingredients
- Solder flux
- Specialty tape
- Tape non food contact
- Tires
- Wax ingredients
- Weighting agent
- Wire/cable

Key Attributes

- Low acid number
- Low odor

Product Description

Eastman™ Ester Gum 8WA-M kosher is a pale, thermoplastic glycerol ester of rosin. It is produced by means of a steam stripping process that yields a low-odor resin suitable for use in beverage applications. This resin is produced from glycerin from non-animal origin and gum rosin harvested from pine trees. All kosher products produced by Eastman are manufactured under rabbinical supervision in full accordance with Jewish dietary law.

Eastman™ Ester Gum 8WA-M kosher is recommended for use as clouding and weighting agent for citrus-flavored non-alcoholic beverage concentrates.

Typical Properties

Property[a]	Test Method[b]	Typical Value, Units[c]
General		
Acid Number (mg KOH/g)		5
Ring and Ball Softening Point	ASTM E 28	85 °C
Color, Gardner[d]		4+
Taste Test (5% in water)		No flavor
Appearance		Crystalline Solid
Description, Base Resin		Rosin

[a] *Unless noted otherwise, all tests are run at 23°C (73°F) and 50% relative humidity.*
[b] *Unless noted otherwise, the test method is ASTM.*
[c] *Units are in SI or US customary units.*
[d] *50% resins solids in toluene or xylene*

Compatibility and Solubility

Eastman™ Ester Gum 8WA-M kosher is soluble in essential citrus oils, esters, ketones, high molecular weight alcohol, and aliphatic and aromatic hydrocarbon solvents. It is insoluble in methanol, ethanol and water.

Packaging

Eastman™ Ester Gum 8WA-M kosher is packaged in 25 kgs thermo-sealed plastic bag with inner aluminum layer in pastilles, shipped from Eastman's facilities in Uruapan Michoacán in Mexico.

Storage

The resin is provided in pastilles which may fuse, block or lump under any of the following conditions: 1) in hot weather climate 2) if stored near steam pipes or other sources of heat; 3) upon prolonged storage; 4) storage in stacks more than three pallets high, or in any combination of these conditions. Storage at temperature above 30°C should be avoided as these conditions will greatly accelerate the fusion of the product. Inside storage in a temperature-controlled area is recommended in order to minimize product fusion.

Resins are prone to gradual oxidation, some more so than others. This could result in darkening and/or it could have an adverse affect on the solubility of the resin in organic solvents or in its compatibility with polymers. Accordingly, it is recommended that strict control of inventory be observed at all times, taking care that the oldest material is used first.

Eastman™ Ester Gum 8WA-M kosher will remain within product specification limits as mentioned under the heading "Product Specifications", for a period of 1 year (inner aluminum layer) from production date and if storage conditions outlined in this data sheet are observed.

However, as we can neither anticipate the conditions under which the resin is processed nor the end use applications for which is used, we recommend that the material be tested upon receipt.

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