EASTMAN

Product Data

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12.021-E7
February 2009
(supersedes 12.021-E6)

Picco™ A140 Hydrocarbon Resin

Picco™ A140 Hydrocarbon Resin is a low molecular weight, amber coloured thermoplastic resin produced from petroleum-derived monomers. Picco A140 is characterized by its excellent resistance to acids, alkalies and moisture. It shows good colour stability and, when formulated with elastomers, a good balance of flex, tear, tack and adhesion properties.

This resin is particularly indicated as processing and reinforcing agent in rubber compounds and as binder in protective coatings.

Picco™ A140 Hydrocarbon Resin is polymerized under conditions that control its softening point within a narrow range.

PRODUCT SPECIFICATIONS[1]

Softening point, Ring & Ball, °C	135-145
Colour, Gardner, 50% resin solids in toluene	max 10

TYPICAL PROPERTIES

Softening point, Ring & Ball, °C	140
Colour, Gardner, 50% resin solids in toluene	8
Density at 25 °C, kg/dm3	1.07
Molecular weight, Size Exclusion Chromatography,	
Mw	1860
Mn	1000
Mw/Mn	1.9
Mz	3600
Viscosity, Haake C&P, 23 °C, 50% in Halterman Test Oil 6/9, Pa.s	15

[1]**Eastman test methods are available on request.**

OUTSTANDING CHARACTERISTICS

Compatible at all ratios, or in limited but practically useful proportions, with SBR, rosin, modified rosins and rosin esters, alkyds and drying oils, polar elastomers, epoxy resins, and chlorinated rubber. Limited compatible with EVA (ethylene-vinyl acetate) copolymers.

Soluble at all useful proportions in aromatic, aliphatic, and chlorinated hydrocarbons; ink oils; benzyl alcohol; cyclohexanol; methyl ethyl ketone; esters; natural oils and fats. Insoluble in lower alcohols, acetone, and ethylene glycol.

SUGGESTED USES

The highly aromatic nature and wide range of thermoplastic properties offered by ***Picco***™ A140 Hydrocarbon Resin suggest its use in a variety of industrial applications. It can be used as tackifier, reinforcing agent, and extender in rubber compounding and extruding applications. It shows excellent leafing and solvent-release properties in metallic cold-cut paints. In drying-oil-based coatings, it improves drying time and abrasion resistance of leadfree drier systems.

REGULATORY STATUS

Picco™ A140 Hydrocarbon Resin is in compliance with the requirements of the U.S. Food and Drug Administration for use in food packaging and food processing operations as specified in the Code of Federal Regulations, Title 21, under the following sections and subject to the provisions therein:

175.105	Adhesives
177.2600	Rubber articles intended for repeated use

Picco™ A140 Hydrocarbon Resin is in compliance with the requirements of the European Toy Safety Legislation 88/378/EEC, European Standard CEN EN 71, Part 3: migration of certain elements.

All components used for the production of ***Picco***™ A140 Hydrocarbon Resin are listed in the European Inventory of Existing Commercial Chemical Substances (EINECS).

PACKAGING AND SUPPLY

Picco™ A140 Hydrocarbon Resin is pastillated and packed in polyethylene bags of 25 kg net, and supplied on shrink-wrapped pallets of 40 bags (1000 kg) each, from Eastman facilities in The Netherlands and from warehouses located in Europe.

STORAGE AND INVENTORY CONTROL

Inside storage is recommended.

Storage at temperatures above 30 °C should be avoided.

Resins are prone to gradual oxidation, some more so than others. This could result in darkening and/or it could have an adverse effect on the solubility of the resin in organic solvents or on 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.

Picco™ A140 Hydrocarbon Resin material will remain within product specification limits, as mentioned under the heading "Product Specifications", for a period of at least twelve months after shipment from Eastman production facilities in The Netherlands, provided 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 it is used, we recommend that the material be tested upon receipt.

PRODUCT SAFETY

Safety Data are available upon request.

Alterations in this issue:

changed : General description, Product specs: Softening point, Typical values: softening point, Mw, Mn, Mz, Outstanding characteristics

deleted : Typical values: Bromine number, Melt Visco

added : Typical values: Haake Visco