

Technical Data Sheet

Eastotac™ C-100R Resin

Applications

- Adhesives/sealants-b&c
- Bookbinding
- Case & carton sealing closings
- Casting wax
- Film modification
- Hygiene adhesives
- Labels non food contact
- Packaging tape
- Polymer modification
- Specialty tape
- Tape non food contact
- Wire/cable

Key Attributes

- Broad compatibility with numerous elastomers, polymers, and other tackifying resins
- Consistent quality
- Excellent heat stability
- Light color
- Low odor

Product Description

Eastotac™ C-100R Resin is a tackifier resin with a ring and ball softening point of 100°C and a molten Gardner color of 4.

Typical Properties

| Property ^a | Test Method ^b | Typical Value, Units ^c |
|--------------------------------------|--------------------------|-----------------------------------|
| General | | |
| Ring and Ball Softening Point | ASTM E 28 | 100 °C |
| Color, Gardner ^e | ASTM D 6166 | 1.5 |
| Color, Gardner (Molten) ^d | | 4 |
| Yellowness Index ^e | | |
| 1 cm cell | ASTM E 313 | 11 |
| Density | | 1.01 g/mL |
| Viscosity, Brookfield @ 190°C | | 150 cP |
| Cloud Point ^f | | |
| DACP | | 56 °C |
| MMAp | | 78 °C |
| OMSCP | | <-50 °C |
| Molecular Weight ^g | | |
| M _n | | 550 |
| M _w | | 1100 |
| M _w /M _n | | 2.0 |
| M _z | | 2100 |

^aUnless noted otherwise, all tests are run at 23°C (73°F) and 50% relative humidity.

^bUnless noted otherwise, the test method is ASTM.

^cUnits are in SI or US customary units.

^dCalculated value based on solution measurement

^e50% resins solids in toluene

^fMMAp: cloud point measured in a 1:2 mixture of methylcyclohexane and aniline; DACP: cloud point measured in a 1:1 mixture of xylene and 4-hydroxy-4-methyl-2-pentanone; For more information see "Hydrocarbon Spectrum" brochure WA-86

^gMolecular weight measured via Gel Permeation Chromatography (GPC) using polystyrene standards

Comments

Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

Compatibility and Solubility

Soluble in aliphatic, aromatic, and chlorinated hydrocarbon solvents. Insoluble in alcohols and water. Compatible in useful proportions with natural and synthetic rubbers, ethylene-vinyl acetate (EVA) copolymers, amorphous polyolefins, paraffin and microcrystalline waxes, ethylene-vinyl acetate (EVA) resins; styrene-butadiene rubber (SBR) copolymer, styrene-ethylene-butylene-styrene (SEBS), styrene-isoprene-styrene (SIS) and styrene-butadiene-styrene (SBS) block copolymers.

Packaging

The standard package for Eastotac™ C series resins is a 25-kilogram (55.1-pound) multiwall paper bag. Samples (1 kilogram) are available for evaluation.

Storage

Due to the thermoplastic behavior, pastillated and half-ball resins may fuse, block or lump. This can be accelerated under any of the following conditions: 1) above ambient temperature, 2) prolonged storage, 3) pressure, e.g., stacking pallets, or a combination of these conditions. This is particularly applicable for low softening point resin grades. It should be noted that lumping does not have a negative impact on the product specifications. Due to the nature of the product, claims regarding lumping cannot be accepted.

When stored in accordance with the MSDS, in it's original unopened container in an enclosed area and protected from moisture, extreme temperatures and contamination, this product (in solid form only) is estimated to continue to meet applicable sales specifications for more than 2 years from the date of manufacture. First in first out inventory control is recommended.

Eastman and its marketing affiliates shall not be responsible for the use of this information, or of any product, method, or apparatus mentioned, and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of your employees and purchasers of your products. No warranty is made of the merchantability of fitness of any product, and nothing herein waives any of the Seller's conditions of sale.

2/28/2018 11:35:39 AM