

Technical Data Sheet

Piccotac™ 1020 Hydrocarbon Resin

Applications

- Adhesives/sealants-b&c
- Carpet construction
- Case & carton sealing closings
- Casting wax
- Labels non food contact
- Packaging tape
- Paints & coatings
- Polymer modification
- Protective coatings
- Road markings
- Roofing ingredients
- Specialty tape
- Tape non food contact
- Tires
- Wax ingredients
- Wire/cable

Key Attributes

- Aliphatic liquid resin used to increase tack and reduce viscosity
- Excellent adhesion to styrene-isoprene-styrene (SIS) block copolymers

Product Description

Piccotac™ 1020 Hydrocarbon Resin solution is an aliphatic, low molecular weight, liquid resin. Derived mainly from olefin monomers of petroleum origin, this pale neutral resin is characterized by its resistance to moisture, good heat and light stability, and excellent balance of tack and adhesive properties. It is stabilized with 0.1 % antioxidant.

Typical Properties

Property ^a	Test Method ^b	Typical Value, Units ^c
General		
Ring and Ball Softening Point	ASTM E 28	Liquid
Color, Gardner ^d	ASTM D 6166	3
Cloud Point ^f		
DACP		43 °C
MMAp		92 °C
Molecular Weight ^e		
M _n		800
M _w		1380
M _w /M _n		1.7
M _z		3200
Viscosity, Melt		
10 poise		60 °C
100 poise		35 °C
1000 poise		20 °C

^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.

^d50% in toluene.

^eMolecular weight, z-average from gel permeation chromatography, elution with THF.

^fCloud point temperature from 2:1 Vol:Vol aniline-methylcyclohexane, Eastman method.

Compatibility and Solubility

Compatible in useful proportions, with natural and synthetic rubbers, low vinyl-acetate concentration EVA (ethylene-vinyl-acetate) copolymers, SIS (styrene-isoprene-styrene) block copolymers, amorphous poly-alpha olefins, paraffin and microcrystalline waxes. Soluble at all useful proportions in aliphatic, aromatic and chlorinated hydrocarbons, esters and ethers. Insoluble in alcohols, glycols and water.

Packaging

Piccotac™ 1020 is supplied in heavy gauge metal drums (380 lbs, 172.4 kgs, net wt), in bulk bins (1000 kg), and molten tank trucks (42k lbs/truck).

Storage

The useful life of this product can be affected by storage and handling conditions. When stored in the original unopened container in an enclosed area and protected from moisture, extreme temperatures and contamination, the shelf life of this product is estimated to continue to meet applicable sales specifications for more than 2 years from the date of manufacture. Shelf Life is a guide not an absolute value. The product should be reanalyzed for critical properties at the end of its shelf life to see if it meets specification for use.

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