TECHNICAL DATA SHEET

Piccotac™ 1020 Hydrocarbon Resin

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 antioxidant.

It is designed primarily for use in pressure sensitive adhesives, hot melt adhesives and coatings. It is compatible with SIS block copolymers, natural rubber, polyisoprene, butyl rubber, and APO elastomers.

- Aliphatic liquid resin used to increase tack and reduce viscosity
- Excellent adhesion and compatibility to styrene-isoprene-styrene (SIS) block copolymers
- Excellent compatibility in natural rubber
- Excellent tack and peel properties
- Light color, low odor
- Resistance to oxidation

For further information regarding this product please refer to:

Synthomer Adhesive Technologies

eMail: Adhesive.Technologies@Synthomer.com

Property	Typical Value	Unit	Method[1]
Ring and Ball Softening Point	Liquid		ASTM E 28
Color, Gardner	3 (neat)		ASTM D 6166
MMAP cloud point	92	°C	from 1:2 mixture of methylcyclohexane and aniline
Molecular Weight, Mn	700	g/mol	GPC using polystyrene standards, elution with THF
Molecular Weight, Mw	1140	g/mol	
Molecular Weight. Mz	2600	g/mol	
Polydispersity (Mw/Mn)	1.6		
Viscosity at 30°C	31990	Cp	Brookfield, neat

[1] internal method based upon the specified norm

Applications

Carpet, Caulks and Sealants, Labels, Other coatings, Packaging, Plastic Modification, Roadmarking, Roofing, Speciality tapes, Tapes, Wax Modification, Wire & Cable, Adhesives

Packaging

PICCOTAC™ 1020 is supplied in heavy gauge metal drums (380 lbs, 172.4 kgs, net wt), 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 two 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.

Compatibility and Solubility

Compatible at all ratios or in limited but practically useful proportions, with natural and synthetic rubbers, EVA (ethylene-vinyl acetate) copolymers, APAO (amorphous poly-alpha-olefins), SIS (styrene-isoprene-styrene) and SBS (styrene-butadiene-styrene) block copolymers, polyethylene polymers, polypropylene polymers, paraffin and microcrystalline waxes; PIB (polyisobutene), OBC (olefinic block copolymer), and metallocene-catalyzed polyolefins.
Soluble at all useful proportions in aliphatic, aromatic, and chlorinated hydrocarbons. Insoluble in alcohols and water.

Comments

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