

# Picco™ A-10 Hydrocarbon Resin

Picco™ A-10 hydrocarbon resin is a low molecular weight, resinous plasticizer derived largely from aromatic petroleum feedstock. It is characterized by its chemical inertness, excellent resistance to salts, acids, alkalis, water and brines, and its solubility in a wide variety of hydrocarbon solvents. Picco A-10 is indicated for use as a binder in lithographic (cold set) inks and as plasticizer, softener and tackifier for other resins and elastomers used in rubber compounding and various adhesive systems.

- Excellent pigment wetting
- Excellent resistance to acids, alkalis and moisture
- Liquid plasticizer and tackifier
- Non-reactive
- Soluble in a wide variety of hydrocarbon solvents

Property	Typical Value	Unit	Method <sup>1</sup>
Ring and Ball Softening Point	Liquid at 25°C		ASTM E 28
Color, Gardner	9		ASTM D 6166, Neat
DACP Cloud Point	-24	°C	from 1:1 mixture of xylene and 4-methyl-2-pentanoneom
OMS Cloud Point	0	°C	from odorless mineral spirits
Molecular Weight, Mn	420	g/mol	GPC, using polystyrene standards, elution with THF
Molecular Weight, Mw	750	g/mol	
Molecular Weight, Mz	1850	g/mol	
Polydispersity (Mw/Mn)	1.8		
Viscosity, Brookfield at 40°C	5500	cP	Brookfield

<sup>1</sup> internal method based upon the specified norm

## Applications

Caulks and Sealants, Roadmarking, Carpet, Additives, Graphics, Tapes, Metal coatings, Coatings, Other Construction Applications, Waterproofings, Other adhesives

## Compatibility and Solubility

Compatible at all ratios, or in limited but practically useful proportions, with natural and synthetic rubbers, EVA resins (ethylene vinyl acetate copolymers), SIS (styrene-isoprene-styrene) and SBS (styrene-butadiene-styrene) block copolymers, low molecular weight polyethylene, paraffin and microcrystalline waxes, chlorinated paraffins, alkyd resins, epoxy resins, phenolic resins, terpene resins, rosin ester resins, chemical plasticizers and drying oils. Soluble at all useful proportions in aliphatic, aromatic and chlorinated hydrocarbons, esters and ethers; however, insoluble in alcohols, glycols and water.

## Packaging

Picco™ A-10 hydrocarbon resin is supplied in open-head steel drums, on pallets containing 4 drums each, from Synthomer production facilities in the Netherlands and from warehouses located in Europe.

## Storage

Inside storage is recommended. Storage at temperatures above 30°C should be avoided. Resins are prone to gradual oxidation, some

# Picco™ A-10 Hydrocarbon Resin



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™ A-10 hydrocarbon resin material will remain within product specification limits, as mentioned in the sales specification sheet, for a period of at least twelve months after shipment from Synthomer 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, the product should be reanalyzed for critical properties at the end of its shelf life to see if it meets specification for use.

## 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.