



Product Data Sheet

Picco 2215 Hydrocarbon Resin

Picco 2215 hydrocarbon resin is a low molecular weight, heat reactive, thermoplastic resin produced largely from petroleum derived dicyclopentadiene monomer. *Picco* 2215 hydrocarbon resin is suggested for use in paints, varnishes, concrete curing compounds, printing inks, and adhesives. It is particularly suitable as a modifier and processing aid in rubber compounding.

List of Applications

- Adhesives
- Concrete curing compounds
- Paints
- Printing inks
- Varnish
- Rubber compounds

Sales Specifications

Property	Minimum	Maximum	Test Method
Softening point, °C, Ring & Ball	108	118	CASPI-A-AN-G-PP-085
Color, Gardner, 50% in Toluene	—	12	CASPI-A-AN-G-AC-100

Compatibility and Solubility

Picco 2215 hydrocarbon resin is characterized by pale color and good color stability; high gloss and gloss promotion; acid, alkali, and water resistance; fast solvent release; mar and shock resistance; good compatibility and solubility; and low solution viscosity. It is compatible at all ratios, or in limited but practically useful proportions, with natural, styrene-butadiene (SBR), and butyl rubbers; chlorinated paraffin; rosin and modified rosins; rosin esters; polyolefins; and medium and long drying oils. *Picco* 2215 is soluble in most aliphatic, aromatic, and chlorinated hydrocarbons and marginally soluble in low KB mineral spirits. *Picco* 2215 is insoluble in alcohols, glycols, ketones, and water.

FDA Status

Picco 2215 complies with requirements of the U.S. Food and Drug Administration (FDA) for use as specified in the Code of Federal Regulations, Title 21, subject to the limitations and requirements of each regulation under the following Section(s):

175.105 Adhesives

177.2600 Rubber Articles Intended for Repeated Use (not to exceed 30% by weight of rubber product)

The formulator must comply with all requirements of the FDA regulations, including conditions of use and extractive tolerances of the total compound or formula.

Packaging

Flake, in multi-wall kraft paper bags (50 lbs, 22.7 kg net wt) stacked 40 bags per pallet.

Additives

Picco 2215 hydrocarbon resin is stabilized with an antioxidant.

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Typical Properties

Property Data	Typical Values
Softening Point, Ring & Ball	113°C
Gardner Color, 50% in Toluene	12
Cloudpoint, MMAP	45°C
Density @ 25°C	1.10 kg/L (9.18 lb/gal)
Glass Transition, T _g , Midpoint	55°C
Melt Viscosity	
10 poise	172°C
100 poise	148°C
1000 poise	126°C
Molecular Weight (Gel Permeation Chromatography)	
M _n	460
M _w	1300
M _z	3500

Storage

Flaked and crushed forms of resins may fuse, block, or lump during hot weather months, if stored near steam pipes or other sources of heat, and if stored for prolonged periods. Because of the extremely large surface area they present, flaked and crushed forms of 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 solubility of the resin in organic solvents. Accordingly, it is strongly recommended that strict control of inventory be observed at all times, taking care that the oldest material is used first.

■ NORTH AMERICA

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