EASTMAN

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HARWICK STANDARD
DISTRIBUTION CORPORATION
60 S. Seiberling Street • Akron, Ohio 44305

Product Data Sheet

Picco 2100 Hydrocarbon Resin

Picco 2100 hydrocarbon resin, a dark, low molecular weight thermoplastic resin, is produced from petroleum derived monomers. *Picco* 2100 hydrocarbon resin is characterized by its resistance to acid, alkalies, and moisture. It is suggested for use in elastomers, for production of useful low cost adhesives, or as a processing aid in compounding of rubber.

List of Applications

- Adhesives
- Rubber compounds

Sales Specifications

Property	Minimum	Maximum	Test Method
Softening point, °C, Ring & Ball	98	108	CASPI-A-AN-G-PP-085
Color, Gardner, 50% in Toluene	—	17	CASPI-A-AN-G-AC-100

Compatibility and Solubility

Picco 2100 hydrocarbon resin is characterized by good tack and tack retention; wide solubility and compatibility; good resistance to oxygen and ultraviolet light; extremely water repellent; provides excellent pigment wetting; and can be used with both reinforcing and non-reinforcing fillers. *Picco* 2100 hydrocarbon resin is a viscous fluid at rubber milling temperatures, and it aids compounding by reducing viscosity and adding tack while on the rolls. *Picco* 2100 hydrocarbon resin is compatible at all ratios, or in limited but practically useful proportions, with styrene-butadiene rubber (SBR), rosin, modified rosins and rosin esters, alkyds and drying oils, polar elastomers, epoxy resins, chlorinated rubber, and chlorinated paraffin. *Picco* 2100 is soluble in aromatic, aliphatic, and chlorinated hydrocarbons and methyl ethyl ketone. The product is insoluble in lower alcohols, acetone, and ethylene glycol.

Packaging

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

Additives

Picco 2100 hydrocarbon resin is stabilized with an antioxidant.

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Typical Properties

Property	Typical Values
Softening Point, Ring & Ball	103°C
Gardner Color, 50% in Toluene	12
Glass Transition, T_g, Midpoint	43°C
Melt Viscosity	
10 poise	162°C
100 poise	138°C
1000 poise	116°C
Molecular Weight (Gel Permeation Chromatography)	
M_n	460
M_w	1400
M_z	3600

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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