

Technical Data Sheet

Piccotac™ 7050 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

- Can be used with high styrene content block copolymers
- Compatible tackifier for many PSA systems
- High aromatic modification to provide processability and wet out
- Low Color, Low softening point C5/C9 tackifier resin
- Lower softening point to provide increased tack and low temperature performance

Product Description

Piccotac™ 7050 hydrocarbon resin is a low softening point, aromatic modified C5 resin. This light colored resin is designed for use in adhesive systems based on either aliphatic or aromatic elastomers. Due to its unique properties, Piccotac™ 7050 can be used at a higher level than typical hydrocarbon tackifiers and its high level of aromatic modification can permit the use of block copolymers with higher styrene content. It is stabilized by the addition of 0.10% antioxidant.

Typical Properties

Property ^a	Test Method ^b	Typical Value, Units ^c
General		
Ring and Ball Softening Point	ASTM E 28	50 °C
Color, Gardner ^e	ASTM D 6166	3
Cloud Point ^g		
DACP		7 °C
MMAp		65 °C
Molecular Weight ^f		
M _n		600
M _w		980
M _w /M _n		1.7
M _z		1700
Glass Transition Temperature (T _g) ^d		7 °C
Density		
@ 25°C		0.940 kg/L

^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.

^dGlass transition temperature by differential scanning calorimetry.

^e50% in toluene.

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

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) and SBS (styrene-butadiene-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™ 7050 is supplied in 350 lb drums and molten tank trucks (42 k 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 (in solid form only) 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.

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