



Technical data sheet : P-90I

1.Description

HIKOTACK® P-90I is pale yellow thermoplastic resin obtained from polymerizing unsaturated aromatic olefins and diolefins derived from the process of thermal cracking of naphtha. The major usages is tackifier for Ethylene Vinyl Acetate copolymer(EVA) based hot melt adhesive(HMA). This grade especially shows very good compatibility with numerous polymers as well as EVA, and provides good solubility with various solvents. In addition, this grade can be used as rubber compounding agent for tires, tubes, rubber coated clothes.

2.Product specifications

• Softening Point (Ring & Ball, °C)	96-104	ASTM E 28
• Color (50% Toluene Solution, Ga.#)	Max.9	ASTM D 1544

3.Typical properties

• Specific Gravity (20/20°C)	1.08	ASTM D 71
• Softening Point (Ring & Ball, °C)	98	ASTM E 28
• Color (50% Toluene Solution, Ga.#)	5	ASTM D 1544
• Heat Stability (@200°C, 3hrs, Ga.#)	9	ASTM D 1544
• Acid Value (KOH mg/g)	0.04	ASTM D 974
• Bromine Number (Br.cg/g)	20	ASTM D 1159
• Melt Viscosity BRF, @160°C, cps	460-635	ASTM D 3236
BRF, @180°C, cps	170-190	
• Molecular Weight (GPC, Mw)	1,000	G.P.C

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4. Packaging & Storage

• Packaging

Available both in big bags of 500kgs, 600kgs or 1,000kgs net weight and in multi-ply paper bags of 25kgs net weight.

• Storage

Pelletized forms of resins may block or lump. It is recommended,

- to store inside and keep cool condition
(30°C max / resin with softening point below 100°C - 25°C max)
- not stacking pallets
- to avoid sunlight

Especially, low softening point resins (below 100°C) has a higher possibility of blocking due to the nature of product. Therefore, we strongly recommend that keep storing in more strict conditions.

5. Shelf life

The shelf life can be affected by storage and handling conditions. When products are stored in the original unopened container in an enclosed area and protected from contamination, moisture and extreme temperatures, the shelf life of HIKOTACK® is two years from the date of manufacture.

Shelf life is a guide not an absolute value, and KOLON doesn't control end uses and storage conditions at customers. Therefore, the product should be reanalyzed for properties at the end of its shelf life to see if it meets specification for use.

6. Regulatory status

HIKOTACK® P-90I is in compliance with the requirements of the U.S FDA for following sections.

<u>175.105</u>	<u>Adhesives</u>
<u>175.300</u>	<u>Resinous and polymeric coatings</u>
<u>177.1210</u>	<u>Closures with sealing gaskets for food containers</u>
<u>177.2600</u>	<u>Rubber articles intended for repeated use</u>

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