



High performance **KOLon's REZ(s)**in C5 Resins

Technical Data Sheet : T-2090

1.Description

HIKOREZ® T-2090 is pale yellow thermoplastic resin obtained from polymerizing unsaturated aliphatic olefins and diolefins derived from the process of thermal cracking of naphtha. The major usages are hot melt based pressure sensitive adhesive(HMP SA), especially Styrene-Isoprene-Styrene (SIS) based PSA. And this grade also can be used as tackifier for hot melt adhesive(HMA), because of its good compatibility with base polymer such as EVA.

2.Product specifications

• Softening Point (Ring & Ball, °C)	86-92	ASTM E-28
• Color (Molten Resin, Ga.#)	Max 10	ASTM D-1544

3.Typical properties

• Specific Gravity (20/20°C)	1.01	ASTM D-71
• Softening Point (Ring & Ball, °C)	89	ASTM E-28
• Color (Molten Resin, Ga.#)	4	ASTM D-1544
• Heat Stability (@200°C, 3hrs, Ga.#)	6	ASTM D-1544
• Acid Value (KOH mg/g)	0.13	ASTM D-1639
• Melt Viscosity BRF, @140°C, cps	1,500	ASTM D-3236
BRF, @200°C, cps	65	
• Molecular Weight (GPC, Mw)	1,500	G.P.C

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4.Packaging & Storage

• Packaging

Available in big bags of 1,000kg net weight

• Storage

Pelletized forms of resins may block or lump. Please follow the instructions below.

- Store indoors and keep cool condition
(Max 30°C, Resin with softening point below 100°C : Max 25°C)
- Do not stack the products in multiple layers
- Avoid exposing the product to direct 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 HIKOREZ® is **1 year** from the date of manufacture.

Shelf life is only a guide to help our customers, not an absolute value. Kolon doesn't control end uses and customer's storage condition. 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

HIKOREZ® T-2090 is in compliance with the requirements of the U.S FDA for following sections.

175.105	Adhesives
175.125	Pressure sensitive adhesives
175.300	Resinous and polymeric coatings
175.320	Resinous and polymeric coatings for poly olefin films
176.170	Components of paper and paperboard in contact with aqueous and fatty foods.
176.180	Components of paper and paperboard in contact with dry food
177.1210	Closures with sealing gaskets for food containers
177.2600	Rubber articles intended for repeated use

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