



SUper performance **KO**lon's **REZ(s)**in Water white Resins

Technical Data Sheet : SU-90

1.Description

SUKOREZ® SU-90 is waterwhite thermoplastic resin obtained from polymerization and hydrogenation of cyclic ingredients. The major usages are tackifier for hot melt adhesive(HMA), hot melt pressure sensitive adhesive(HMPA) and solvent based pressure sensitive adhesive(SBPSA), because of its good heat resistance and good compatibility with base polymers such as ethylene vinyl acetate(EVA), styrene block copolymer(SBC).

2.Product specifications

• Softening Point (Ring & Ball, °C)	85-95	ASTM E-28
• Color (50% Toluene Solution, HAZEN)	Max 50	ASTM D-1209

3.Typical properties

• Specific Gravity (20/20°C)	1.08	ASTM D-71
• Softening Point (Ring & Ball, °C)	90	ASTM E-28
• Color (50% Toluene Solution, HAZEN)	30	ASTM D-1209
• Heat Stability (@200°C, 3hrs, Ga.#)	1	ASTM D-1544
• Acid Value (KOH mg/g)	<0.1	ASTM D-974
• Melt Viscosity BRF, @160°C, cps	260	ASTM D-3236
BRF, @180°C, cps	90	
• Molecular Weight (GPC, Mw)	370	G.P.C

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4.Packaging & Storage

•Packaging

Available in multi-ply paper bags of 25kg net weight.

• Storage

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

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

Especially, low softening point resins(below 100℃) 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 SUKOREZ[®] is **2 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

SUKOREZ[®] SU-90 is in compliance with the requirements of the U.S FDA for following sections.

<u>175.105</u>	<u>Adhesives</u>
<u>175.125</u>	<u>Pressure sensitive adhesives</u>
<u>175.300</u>	<u>Resinous and polymeric coatings</u>
<u>175.320</u>	<u>Resinous and polymeric coatings for poly olefin films</u>
<u>176.170</u>	<u>Components of paper and paperboard in contact with aqueous and fatty foods.</u>
<u>176.180</u>	<u>Components of paper and paperboard in contact with dry food</u>
<u>177.1210</u>	<u>Closures with sealing gaskets for food containers</u>
<u>177.1520</u>	<u>Olefin polymers</u>
<u>177.2600</u>	<u>Rubber articles intended for repeated use</u>

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