

English ver.15

Revision date: 31st.March.2022



Technical Data Sheet: SU-100

1.Description

SUKOREZ[®] **SU-100** is waterwhite thermoplasic resin obtained from polymerization and hydrogenation of cyclic ingredients. The major usages are tackifier for hot melt adhesive(HMA), hot melt pressure sensitive adhesive(HMPSA) 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) 	100-109	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) 	105	ASTM E-28
Color (50% Toluene Solution, HAZEN)	30	ASTM D-1209
 Heat Stability (@200°C, 5hrs, Ga.#) 	1	ASTM D-1544
 Acid Value (KOH mg/g) 	<0.1	ASTM D-974
 Melt Viscosity BRF, @160°C, cps 	700	ASTM D-3236
BRF, @180°C, cps	180	
 Molecular Weight (GPC, Mw) 	430	G.P.C

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4.Packaging & Storage

Packaging

Available in big bags of 500kg net weight and in multi-ply paper bags of 25kg net weight.

Storage

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

- 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 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-100 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>	Pressure sensitive adhesives	
<u>175.300</u>	Resinous and polymeric coatings	
<u>175.320</u>	Resinous and polymeric coatings for poly olefin films	
<u>176.170</u>	Components of paper and paperboard in contact with aqueous and fatty foods.	
<u>176.180</u>	Components of paper and paperboard in contact with dry food	
177.1210	Closures with sealing gaskets for food containers	
<u>177.1520</u>	Olefin polymers	
177.2600	Rubber articles intended for repeated use	

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