

Technical data sheet : MK-100

1.Description

MKOREZ[®] MK-100 is made from highly purified monomers such as styrene and/or alpha methyl styrene. This pureness of raw materials can make the resin has water white color with high aromaticity than that of conventional hydrogenated resins at the same time.

This has good heat stability and excellent potential as a modifier can control set time and transparency of EVA based hot melt adhesives.

This can be also used in other kinds of adhesive like SBCs based hot melts.

2.Product specifications

• Softening Point (Ring & Ball, °C)	95-105	ASTM E 28
• Color (50% Toluene Solution, HAZEN)	Max.30	ASTM D 1209

3.Typical properties

• Softening Point (Ring & Ball, °C)	97-101	ASTM E 28
• Glass transition temperature (T _g , °C)	54	DSC
• Color (50% Toluene Solution, HAZEN)	5-16	ASTM D 1209
• Melt Viscosity BRF, @160°C, cps	1,070	ASTM D 3236
BRF, @180°C, cps	310	
• Molecular Weight Mw	1,350-1,700	G.P.C

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4.Packaging & Storage

• **Packaging**

available both in multi-ply paper bags of 25kgs net weight and in big bags.

• **Storage**

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

- to store inside and keep cool condition
(In case of softening point over 100°C, max 30°C / In case of softening point below 100°C, max 25°C)
- 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 MKOREZ[®] MK-100 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.

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