

## Technical data sheet : HRR-100

### 1.Description

**MKOREZ<sup>®</sup> HRR-100** is organic silane modified hydrocarbon resin. HRR means High Reactive Resin, as it can be cured by moisture and heat. This grade is especially designed for reactive hot-melt adhesive and can be used with reactive polyolefin materials such as silane functionalized polymer. HRR-100 can be used as adhesion promoter in various adhesive application for industrial usage such as automotive, woodworking, textile and so on. It shows excellent adhesion on various substrates such as PP, PC, ABS, PE and so on. It can be used for enhancing good properties and overcoming weakness of existing POR. POR is eco-friendly adhesive to replace PUR.  
(POR : polyolefin reactive, PUR : polyurethane reactive)

### 2.Product specifications

• Softening Point (Ring & Ball, °C)	97-107	ASTM E 28
• Color (50% Toluene Solution, Ga.#)	Max.7.9	ASTM D 1544

### 3.Typical properties

• Specific Gravity (20/20°C)	1.12	ASTM D 71
• Softening Point (Ring & Ball, °C)	100	ASTM E 28
• Color (50% Toluene Solution, Ga.#)	6.5	ASTM D 1544
• Molecular Weight      Mw	750	G.P.C

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## 4. Packaging & Storage

- **Packaging**

Drum

- **Storage**

It is recommended,

- to store indoor with cool temperature and low humidity
- to avoid sunlight
- to purge the product with nitrogen, and keep out the air and moisture, after opening the drum.

## 5. Shelf life

The shelf life can be affected by storing 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<sup>®</sup> HRR-100 is 18 months from the date of manufacture. Shelf life is a guide, not an absolute value. Therefore, the product should be re-evaluated for properties at the end of its shelf life to see if it meets specification requirement for use.

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