KLUCEL G

Hydroxypropyl Cellulose

Art. 56184

KLUCEL G hydroxypropyl cellulose (HPC) is a **non-ionic cellulose ether** with a versatile combination of properties. It combines **dual solubility in water and polar organic solvents**, **thermoplasticity**, and **surface activity**, together with the **thickening and stabilizing properties** typical of other water-soluble cellulosic polymers.

Main Applications

- As an **adhesive** in paper conservation and restoration
- As a **thickening agent** for cleaning solutions

Application Methodology

To prepare aqueous solutions, the best method is to use a **magnetic stirrer**. The powder should be added slowly to water while maintaining continuous agitation. The resulting solution remains completely stable for relatively long periods.

The **maximum temperature limit for solubility in water is 38°C**.

Physical and Chemical Properties

- **Chemical nature:** Hydroxypropyl cellulose
- **Form:** Hygroscopic powder
- **Color:** White / Cream
- **Odor:** Odorless
- **Softening temperature:** 100–150 °C
- **pH (2% solution):** 5–8.5
- **Degree of substitution:** 0.6–0.7
- **Solubility:** Soluble in water below 38°C and in anhydrous ethanol
- **Bulk density:** 0.5 g/ml

Viscosity Specifications (Brookfield LVF at 25°C, mPa·s, 2% concentration)

- **In water:** 125–450
- **In anhydrous ethanol:** 75–400

For professional use only

BRESCIANI-TÜRKİYE – Seyrantepe mh. Dilek sk. no:31 Kağıthane/İstanbul
tel. 0212 324 26 31 – cep: 0542 668 64 40 – e-mail: bresciani.tr@gmail.com
www.bresciani-tr.com – www.onlinebresciani-tr.com