

**HYDROXYETHYL CELLULOSE**
**TECHNICAL DATA SHEET**
**HEC 52000**
**Description:**

**HEC 52000** is nonionic, bio-based and biodegradable water-soluble rheology modifiers that can thicken, suspend, emulsify and enhance the sensory experience for home care applications.

**Specifications**

|                                                |                           |
|------------------------------------------------|---------------------------|
| Appearance:                                    | white or off-white powder |
| Moisture content:                              | ≤6 %                      |
| Ash content:                                   | ≤6 %                      |
| Bulk density:                                  | 300-600 g/l               |
| pH value:                                      | 6.0-7.0                   |
| Particle size:                                 | 90% pass 80 mesh          |
| Viscosity<br>(Brookfield LV, 30rpM, 1%, 25°C): | 2,000-3,000 mPa.s         |
| Hydration time                                 | 5-15 minutes              |

**Recommend Applications**

|                    |
|--------------------|
| Liquid detergents  |
| Home care products |
|                    |
|                    |
|                    |

**Typical Properties:**

|                            |          |                 |      |
|----------------------------|----------|-----------------|------|
| Thickening effect:         | high     | Transparency:   | high |
| Surfactants compatibility: | high     | Salt tolerance: | high |
| Biodegradability:          | standard |                 |      |

**Packing & Storage**

1. Multi layer paper bag with inner PE film
2. 25kg/bag, 600kg/ pallet
3. 20' container: 12 Tons, 40' container: 24 Tons (with pallet)
4. Neutral or blank bag available, OEM brand available
5. Store in cool, dry, and clean conditions, keep away from heat to avoid burn with oxygen. Safe handling is required to prevent dust with air from reaching explosive levels.

**Shelf Life**

When stored in the appropriate environment, HEC can be kept for 2 years. If over 2 years, please test and confirm the quality before using. It would absorb moisture from air, once opened, the bag must be resealed and kept tightly closed.

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