

Technical Data Sheet

Item No.: HEMC-E160S

Description

HEMC-E160S is a daily chemical grade hydroxyethyl methyl cellulose (HEMC/MHEC) developed for household and personal care formulations. It provides efficient thickening, rheology control, good solution transparency, suspension and formulation stability. It is suitable for shampoos, body washes, hand washes, liquid soaps, detergents and other water-based cleaning products, helping improve viscosity, texture, appearance and batch-to-batch consistency.

Application Performance

Desc	Level of improvement
Transparency	good
Thickening Property	good
Rheology Control	good
Suspension Property	good
Formulation Stability	good

operating guide

1. Disperse HEMC/MHEC gradually into water under continuous stirring to avoid agglomeration.
2. Continue mixing until the product is fully hydrated and a homogeneous viscous solution is obtained.
3. Add the remaining formulation ingredients and mix thoroughly until uniformly blended.

Typical Data

Desc	Range
Appearance	White or off-white powder
Hydroxyethoxy content, %	7.0-12.0
Methoxy content, %	19.0-24.0
Ash Content, %	<5.0
Light transmittance, %	≥92
Water 2% solution viscosity, mPa.s	160,000
Gel temperature, C	70-90
pH	5.0-8.0

* The data listed above are typical only and should not be taken as an indication of the quality of the product.

Packing/Storage&Transportation;/Shelf Life

Standard Packing
25 kg/Bag or 20 kg/Bag
Prevent high temperature and pressure, especially high humidity.

Shelf Life

Keep in dry and cool conditions for at least 12 months. If the product is stored beyond its shelf life, tests should be carried out to determine quality before use.

product safety

Not classified as dangerous material under EU law; For further information, see the Product Safety Data Sheet.

The above information and recommendations are based on our current experience and are for reference only. It does not exclude the responsibility of users to conduct their own tests.