

# Honeywell Asensa® PR 200

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**INCI Name:**  
**Polyethylene**

**CAS: 9002-88-4**

**EINECS: 200-815-3 (monomer)**

**Listed in the following registries:**

TSCA (US), DSL (CAN), ENCS (Japan), AICS (Australia), IECSC (China), KECI (Korea), PICCS (Philippines)

## PRODUCT DESCRIPTION

**Asensa PR 200** is a white, soft-waxy material with a relatively lower melting point than typical polyethylene grades used in personal care applications. It has occlusive properties that make it well suited as an effective emollient and barrier agent for use in both oil-in-water (O/W) and water-in-oil (W/O) emulsion products and has been shown to help reduce transepidermal water loss (TEWL). It is especially effective in sunscreen applications where it contributes to a more even distribution of both organic and inorganic UV filters in the final film deposited on the skin. By its nature it is less greasy and leaves a more pleasant feeling on the skin than other typically used hydrocarbon based materials. Asensa PR 200 also finds application a viscosity increasing agent for various oil or anhydrous systems.

## TYPICAL PROPERTIES

Property	Asensa PR 200
Color (Klett Max)	60
Hardness @ 25° C (dmm)	75 – 120
Drop Point, Mettler (°C)	90
Density (g/cc)	0.88
Viscosity @ 150° C Brookfield (cps)	30
Acid Number (mg KOH/g)	Nil
Average Particle Size (µm)	N/A
Physical Form	Soft Waxy Material

## APPLICATIONS

Occlusive agent, emollient, film former for use as a moisturizer in as ingredients in:

- Lotions
- Creams
- Sunscreens

Gelling agent, rheology modifier for use in oil containing formulations such as:

- Balms and oils
- Pomades
- Styling products

Usage levels can be from 2% upwards, the product would need to be heated to incorporate into a formulation.

## HANDLING

The expiration date for this product is five years after shipment, provided the original packaging is intact. Please see product MSDS for any further handling instructions.

**Honeywell Personal Care**  
101 Columbia Road  
Morristown, NJ 07962  
Technical support:  
973-455-4425  
[www.honeywell.com/asensa](http://www.honeywell.com/asensa)

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January 2009  
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