



# BARA-KADE®

## ES 200 Mesh Bentonite

**Description** BARA-KADE® ES 200 Mesh bentonite is an engineered Wyoming sodium bentonite modified with polymers for sealing and containment in harsh environments. It has been proven as an effective sealing material, especially in brackish waters containing hydrocarbons and low pH contaminants.

- Applications/Functions**
- Wastewater contaminants
  - Hydrocarbon tank farm brim containment
  - Industrial waste pond impoundment liners

- Advantages**
- High absorbing capacity
  - Ability to create a seal in contaminated waters
  - Exhibits low permeability

Typical Properties	<u>Typical</u>	<u>Specification</u>
• Moisture, percent	• 9.0-11.0	• 12 Max.
• Plate Water ApSORption	• 1100-1450	• Recordable
• Swell Index (ml)	• 40-60	
• Specific Gravity	• 2.5-2.7	
• Bulk Density (lbs per ft <sup>3</sup> , pcf, compacted)	• 68-73	

**Performance Specifications**

Test Permeant	Duration of Test (days)	Permeability
Tap Water	300	1x10 <sup>-9</sup>
Synthetic Brine <sup>(1)</sup>	300	1x10 <sup>-7</sup>
1.5% Calcium Solution <sup>(2)</sup>	180	1x10 <sup>-8</sup>

<sup>(1)</sup> Synthetic Brine is an aqueous solution containing the following dissolved solids: 1.2% calcium, 0.1% magnesium, 0.2% potassium, 0.6% sodium, <0.1% chlorides, 0.11% sulfate. pH = 5.5, Density = 8.7 lbs/gallon.

<sup>(2)</sup> An aqueous solution containing 1.87% calcium carbonate, 0.96% calcium phosphate, 0.52% oxide.

**Availability** BARA-KADE® ES 200 Mesh bentonite can be purchased through any Bentonite Performance Minerals LLC assigned Reseller. To locate the BPM Reseller nearest you, contact the Customer Service Department in Houston or your area BPM Regional Sales Manager.

**Bentonite Performance Minerals LLC**  
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