

## Hydrogels

Hydrogels are advanced polymer networks capable of holding large amounts of water, making them ideal for various applications in medical, cosmetic, and industrial fields. Our hydrogels offer superior versatility, biocompatibility, and customizable properties to suit diverse needs, ensuring effective solutions.

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## Various Hydrogels Offered

1. Medical Hydrogels
  1. Wound Dressings
    1. Burn Wound Hydrogels
    2. Chronic Wound Care Hydrogels
    3. Surgical Dressings
  2. Drug Delivery Systems
    1. Oral Drug Delivery Hydrogels
    2. Transdermal Patches
    3. Implantable Hydrogels
  3. Tissue Engineering
    1. Cartilage Repair Hydrogels
    2. Bone Regeneration
    3. Skin Substitutes
  4. Contact Lenses
    1. Soft Contact Lens Hydrogels
    2. Extended Wear Contact Lens Hydrogels
2. Cosmetic Hydrogels
  1. Moisturizing Masks
    1. Facial Masks
    2. Eye Patches
    3. Lip Masks
  2. Anti-Aging Products
    1. Wrinkle Reduction Masks
    2. Hydrogel Serums
  3. Cooling and Soothing Products
    1. After-Sun Hydrogels
    2. Post-Treatment Soothing Gels
3. Industrial Hydrogels
  1. Water Retention Hydrogels

1. Agricultural Use
  2. Soil Stabilization
2. Oil Recovery
  1. Enhanced Oil Recovery Hydrogels
  2. Oil Spill Absorbents
3. Construction Materials
  1. Cement Additives
  2. Waterproofing Agents
4. Smart Hydrogels
  1. pH-Sensitive Hydrogels
    1. Targeted Drug Delivery
    2. Smart Packaging
  2. Temperature-Sensitive Hydrogels
    1. Self-Healing Materials
    2. Thermoresponsive Drug Carriers
  3. Electrically Conductive Hydrogels
    1. Wearable Sensors
    2. Flexible Electronics
5. Food Industry Hydrogels
  1. Food Encapsulation
    1. Flavor Release Hydrogels
    2. Active Ingredient Carriers
  2. Food Texturizers
    1. Gelling Agents
    2. Stabilizers
  3. Food Packaging
    1. Antimicrobial Packaging Hydrogels
    2. Moisture Absorbers