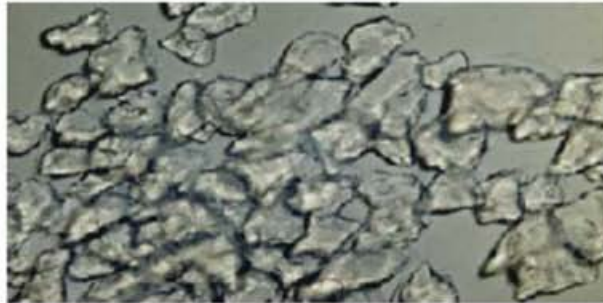


WHAT IS AEROGEL?**Physical Properties of Cabot Aerogel**

Because Cabot specializes in fine particle technology, we're able to control optical properties, particle size, particle distribution, and porosity during the manufacturing of aerogel – the end result is a highly adaptive material.

Properties include:

- **High porosity:** Highly-porous structure provides high reinforcement and matting efficiency at low concentrations
- **Flowability:** Excellent flow properties
- **Friability:** Under intense dispersion conditions, particles are reduced to sub-micrometer sizes, leading to superior reinforcement.
- **Hydrophobic surface:** Particles repel water but can be wetted by oleophilic substances such as oils.
- **Open porosity:** Pores are open to each other within the structure.
- **Particle size:** Available in a wide range of particle sizes.
- **Surface treatment:** Surface groups are chemically anchored to the silica skeleton and thus are stable over a wide range of temperatures and pH.