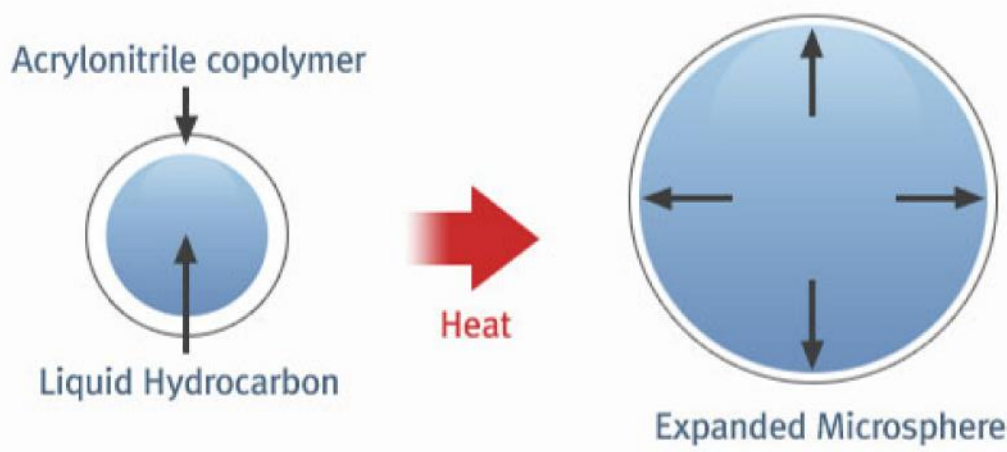


CAPSULATED BLOWING AGENT

Capsulated blowing agent is a kind of thermoexpandable microcapsules and physical blowing agent having an average diameter of 10 to 60 μm . It starts to soften with heating and the encapsulated blowing agent(liquid hydrocarbon) starts to gasify to increase internal pressure and cause the shell to expand. The shells which are softened and expanded with the pressure of gasified hydrocarbon make more smooth surfaced sponge and thin screen-wall paper compare to chemical blowing agent.

APPLICATION

PVC sandal, artificial leather, screen wall paper, mid sole and outsole of sports shoes, screen printing, printing ink.



CHARACTERISTICS

Although the capsulated blowing agent is fine, the well made thick shell is durable enough against high pressure of over 300 kgf/cm² and resistant to solvents. The sponge made with the capsulated blowing agent shows high elasticity, heat insulation, sound insulation, shock absorbent, lowering of specific gravity with micro foam structure.

TYPE OF PRODUCTS AND PHYSICAL PROPERTIES

Name of goods	Particle size (μm)	T (start. °C)	T (max. °C)
CELLCOM – CAP170K	20 – 50	130 – 150	160 – 180
CELLCOM – CAP/L3	10 – 20	80 – 90	130 – 140