

Product Data Sheet

UV Cured Flexible Outer Shell for Hearing Aids HAS55E

MicroCoat Technologies has developed an innovative material for the manufacture of flexible hearing aid shells. This 100% solids, silicone free material, may be cast using standard hydrocolloid processes to a thickness of .030" - .040". The shell cures using standard UV metal halide bulbs between 320-380nm with a peak wavelength of 365nm. Cure time is dependent on required cure thickness, and color chosen. This material, along with its' sister, HAF34B, a very soft (Shore "A" of 25), UV curable fill material, makes the perfect package for your HA product line.

Product: HAS55E

Typical properties:

Color(s): Clear, tan, red, blue, green

Viscosity: 250 cps nominal

Hardness Shore D: 35-40

Shrinkage: <6%

Tg °C: 55

Flexibility: Excellent with 6 30 second (180 seconds) cures at 365nm at 400W