

ACRYLIC SHEET
LIGHT WEIGHT FILLER
HOLLOW MICROSPHERES

Cast acrylic sheet is shaped by thermoforming to make bathroom fixtures and spa units. Because the acrylic is kept thin and has a low modulus, it is common to stiffen the formed parts by spraying or troweling resin and chopped glass fiber on the back.

By adding 3 to 4% of Hollow Microspheres to the spray-resin you receive:

- Reduction of warping caused by the backup
- Improved resistance of the fixtures to impact damage
- Improved resistance to thermocycling
- Lighter weight parts at the same stiffness
- Lower cost fixtures
- More rigid parts

TYPICAL PROPERTIES

HGS GRADE	16	21
Physical Form	Powder	Powder
Color	White	White
Bulk Density Lbs/ft ³	8.7	7.6
Specific Gravity	.24	.18
Average particle Size, Microns	35	75
Pressure for 10% collapse, psi	450	375
Softening Point °F	1800	1800