

H6595

GLASS-SILICONE (HVOF)

Saint-Gobain Performance Plastics CHR® H6595 is a high-temperature heavy-duty pressure sensitive adhesive tape used for thermal spray masking. H6595 is manufactured by combining multiple layers of silicone rubber, aluminum foil and fiberglass and is coated with an aggressive high temperature silicone adhesive.

Typical Properties

Product Number	H6595
Backing Material	Silicone Rubber/Glass/Foil/Glass
Adhesive Type	Silicone
Total Thickness (in.)	.022
Adhesion to Steel (oz./in.)	50
Operating Temperature (°F)	-100 to +500
Tensile Strength (lbs./in.)	125
Color	Tan

Values shown are typical. Certified test reports for writing specifications are available.

Applications—H6595 is used as a high temperature masking tape in thermal spray and high velocity oxygenated fuel (HVOF) processes. The tape is used to protect portions of the part being processed so that it is not exposed to spray. H6595 is used primarily in the aircraft industry in their repair shops as well as in other markets where thermal spraying is used.

Features/Benefits—H6595 has exceptional abrasion resistance and adhesion properties, which allows the tape to wear very well during the spraying process. This tape is also very conformable and can be used for many part configurations. H6595 can continuously withstand temperatures up to 500°F.

Availability—Factory stock for H6595 is in master rolls 18 lineal yards by 18 inches. Rolls can be slit in widths ranging from 1/4" to 18" on 3" ID cores. The tape is supplied with a Fluorsilicone polyester release liner for easy removal.

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