

Thermal Spray Masking

HV60 HVOF MASKING TAPE¹

Saint-Gobain Performance Plastics' HV60 product family comprises a series of pressure-sensitive adhesive tapes specifically designed to withstand the extreme operating conditions found in HVOF thermal spray applications. These tapes retain their masking integrity and remove cleanly.

HV60 series tapes feature a proprietary silicone rubber compound and adhesive system grounded in extensive customer-linked research and developed with significant customer input.

Product performance has been validated in both liquid- and gas-fueled systems with a wide range of coating materials, including (but not limited to) metal, metal alloys, ceramics and carbides.



¹ patent pending

Typical Properties

Product Number	HV60-18	HV60-26
Backing Material	Glass reinforced / Silicone Rubber	Glass reinforced / Silicone Rubber
Adhesive Type	Silicone Pressure-Sensitive	Silicone Pressure-Sensitive
Total Thickness (mm)	0.53	0.74
Backing Thickness (mm)	0.46	0.66
Adhesion to Steel (g/cm)	280	280
Tensile Strength (N/cm)	260	260
Operating Temperature (°C)	-73°C to 260°C	-73°C to 260°C
Color	Blue	Blue

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

Limited Warranty: For a period of 6 months from the date of first sale, Saint-Gobain Performance Plastics Corporation warrants this product(s) to be free from defects in manufacturing. Our only obligation will be to provide replacement product for any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risks, if any, including the risk of injury, loss or damage, whether direct or consequential, arising out of the use, misuse, or inability to use this product(s). SAINT-GOBAIN PERFORMANCE PLASTICS DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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Applications

- Designed for the extreme conditions of high velocity oxygen fueled (HVOF) thermal spray systems

Features/Benefits

- High temperature resistance
- Exceptionally high abrasion resistance
- Functions as a thermal insulator
- Highly flexible and conformable
- Maintains masking integrity throughout HVOF thermal spray process
- Leaves no adhesive residue when removed

Availability

- Standard roll length: 16 meters
- Rolls can be supplied slit to widths ranging from 6 mm to 914 mm



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