

# CHR® 8650/8822

## Differential Double Coated PET Pressure Sensitive Adhesive Tape

**CHR** 8650 and 8822 are manufactured by **Saint-Gobain®** Performance Plastics Corporation, Tape Solutions business, and are film supported adhesive tapes. 8650 has pressure sensitive acrylic adhesive on one side and silicone pressure sensitive adhesive on the other. The acrylic adhesive is protected with a 50# siliconized paper liner and the silicone adhesive is protected with a clear polyester liner. 8822 has pressure sensitive silicone adhesive on both sides. The silicone adhesive is protected by a fluorinated PET liner.

### Features/Benefits

8650 and 8822 are dimensionally stable and suitable for lamination and die cutting processes. The polyester support layer lies flat and resists curl or shrinkage after lamination. The silicone adhesive eliminates the need for messy silicone RTVs and primers. 8650, due to the acrylic adhesive, offers an efficient placement method for gaskets, while 8822 intends to provide excellent temperature and chemical resistance.

### Availability

8650 and 8822 are available in master rolls 33 m × 990 mm (36 yd × 39 in). Rolls can be slit in widths ranging from 6.35 mm to 990 mm (0.25 in to 39 in). Both are available on a plastic or cardboard core. 8650 can be sold in a reverse wound format with the acrylic adhesive (paper liner) on the exterior of the roll, or in standard format with the silicone adhesive (clear PET liner) on the exterior of the roll.

### Applications

8650 can be used to adhere silicone foam, sponge and rubber to various substrates including numerous plastics and metals. The differential coating is a practical solution for flex heater placement as they are often made with silicone rubber and placed on metal surfaces. 8822 can be used to laminate and splice low surface energy materials such as silicone foam/sponge, films and papers. The product construction of both 8650 and 8822 is suitable for producing fully converted silicone gaskets for use across multiple industries including industrial, aerospace and automotive.



## CHR 8650/8822 Properties

Performance tests are run using standard test procedures.

The values presented are typical values and should not be used for specification purposes.

| Product Number                           | 8650                         | 8822                         |
|--|------------------------------|------------------------------|
| Backing Material                         | PET                          | PET                          |
| Backing Thickness mm (mil)               | 0.023 (0.9)                  | 0.023 (0.9)                  |
| Adhesive Type                            | Acrylic/Silicone             | Silicone/Silicone            |
| Liner Type                               | Paper/PET                    | Bi-fluorinated PET           |
| Total Thickness, no liner mm (mil)       | 0.095 (3.7)                  | 0.1 (3.9)                    |
| Adhesion to Steel, Silicone N/cm (oz/in) | 2.8 (25.6)                   | 4.1 (37.5)                   |
| Adhesion to Steel, Acrylic N/cm (oz/in)  | 4.9 (44.8)                   | —                            |
| Operating Temperature °C (°F)            | -40 to +160<br>(-40 to +320) | -40 to +160<br>(-40 to +320) |
| Color                                    | Clear                        | Green                        |

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