

CHR[®] M SERIES

1 Mil Polyester, Silicone Adhesive Tape

CHR M-Series (1 Mil PET/Silicone Adhesive) is manufactured by **Saint-Gobain**[®] Performance Plastics Corporation, Tape Solutions business, and comes with polyester film with silicone pressure-sensitive adhesive.

Features/Benefits

M66 offers easy electrical insulation. M717 offers a chemically resistant barrier. M746 can be easily removed without leaving residue. M50, M52, M758 and M803 offer excellent high/low temperature resistance. M751 is used in manufacturing of label, decal and pressure-sensitive materials. M803 is a protective circuit board masking tape. M741, M751 and M824 offer superior bonding to wide variety of treated papers, films and foils with their excellent quick-stick properties. M823 and M824 are recommended for all splicing applications including oven splicings where good wet-out capabilities are critical. M815 is recommended for all splicing applications that do not see high temperatures. Polyester backing resists damage from sharp edges. The polyester backing/silicone adhesive combination is highly conformable. Operating temperature is -73 to +177°C (-100 to +350°F), elongation % at break is 100, tensile strength is 44 N/cm (25 lb/in) and dielectric strength is 5,000 volts.

Availability

All designs except M746 are in master log form 66 m × 965 mm (72 yd × 38 in) wide. M746 in master log form 66 m × 483 mm (72 yd × 19 in) wide. All rolls can be slit from 12.7 mm (0.5 in) to master log width. M717, M741, M751, M815, M823 and M824 are available with or without a liner.

Applications

M746 is designed to have lower tack and adhesion than standard silicone adhesive tapes. M751, M815, M823 and M824 are designed as a quick-stick polyester splicing tape most often used in the graphic arts industry. M50, M52, M66, M717, M741, M758 and M803 offer an economical method to hold, insulate and/or protect materials.



CHR M Series 1 Mil Polyester Silicone Tape 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	M50	M52	M66	M717	M741	M746	M751	M758	M803	M815	M823	M824
Adhesive Thickness mm (mil)	0.038 (1.5)	0.038 (1.5)	0.038 (1.5)	0.071 (2.8)	0.051 (2.0)	0.020 (0.8)	0.051 (2.0)	0.038 (1.5)	0.051 (2.0)	0.051 (2.0)	0.046 (1.8)	0.038 (1.5)
Total Thickness mm (mil)	0.064 (2.5)	0.064 (2.5)	0.064 (2.5)	0.097 (3.8)	0.076 (3.0)	0.046 (1.8)	0.076 (3.0)	0.064 (2.5)	0.076 (3.0)	0.076 (3.0)	0.071 (2.8)	0.064 (2.5)
Adhesion to Steel N/cm (oz/in)	2.7 (25)	3.3 (30)	2.7 (25)	3.3 (30)	2.7 (25)	1.4 (13)	2.7 (25)	2.7 (25)	2.7 (25)	3.3 (30)	3.3 (30)	3.3 (30)
Insulation Class (°C)	130	130	130	130	130	130	130	130	130	130	130	130
Colour	White	Clear	Green	Red	Blue	Red, Blue	Yellow	Black	Blue, Orange	Clear	Blue	Blue

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