

Ricoh Electronics, Inc.

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RICOH

ADHESIVE SELECTION GUIDE

G5: GENERAL PURPOSE PERMANENT HOT MELT ADHESIVE

- * High Initial Contact
- * Excellent Adhesion on Packaging Boxes, Film and/or Wide Range Substrates
- * Complies with F.D.A. 175.105 for Indirect Food Contact

G8: TIGHT REMOVABLE ADHESIVE

- * Good Adhesion to Most Packaging Substrates
- * Excellent Removability from Most Surfaces
- * Applications include shelf tags, retail price labels, medical, industrial and other labeling applications that require a clean removable property.
- * Complies with F.D.A. 175.105 for Indirect Food Contact

G12: WIDE TEMPERATURE PERMANENT ADHESIVE

- * Excellent adhesion to wide variety of surfaces including paper, wax paper bags, corrugated board, light waxed corrugated board, various packaging films, glass enamel, and polyethylene as well as other plastics and substrates.
- * Specially designed for adhesion to cryovac film, even with light moisture condensation and to other low energy surfaces.
- * Excellent Initial Tack
- * Very Good Self-Dispensing in Automatic Printers
- * Complies with F.D.A. 175.105 for Indirect Food Contact

G20: WIDE TEMPERATURE PERMANENT ADHESIVE

- * Excellent adhesion to wide variety of surfaces including paper, wax paper bags, corrugated board, light waxed corrugated board, various packaging films, glass enamel, and polyethylene as well as other plastics and substrates.
- * Specially designed for adhesion to cryovac film, even with light moisture condensation and to other low energy surfaces.
- * Excellent Initial Tack
- * Very Good Self-Dispensing in Automatic Printers
- * Complies with F.D.A. 175.105 for Indirect Food Contact

G22: GENERAL PURPOSE PERMANENT HOT MELT ADHESIVE

- * High Initial Contact
- * Excellent Adhesion on Packaging Boxes, Film and/or Wide Range Substrates
- * Complies with F.D.A. 175.105 for Indirect Food Contact

G24: WIDE TEMPERATURE PERMANENT ADHESIVE

- * Excellent adhesion to wide variety of surfaces including paper, wax paper bags, corrugated board, light waxed corrugated board, various packaging films, glass enamel, and polyethylene as well as other plastics and substrates.
- * Specially designed for adhesion to cryovac film, even with light moisture condensation and to other low energy surfaces.
- * Excellent Initial Tack
- * Very Good Self-Dispensing in Automatic Printers
- * Complies with F.D.A. 175.105 for Indirect Food Contact

Note: Data represent product averages. Each product shall be tested in the end use application to insure that the product meets all specific application requirements.

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	G5			G8		G12			G20			G22			G24		
Application Temperature	2°C to 49°C (35°F to 120°F)			-12°C to 49°C (10°F to 120°F)		-40°C to 50°C (-40°F to 122°F)			-40°C to 50°C (-40°F to 122°F)			-2°C to 50°C (28°F to 122°F)			-40°C to 50°C (-40°F to 122°F)		
Service Temperature	-40°C to 55°C (-40°F to 131°F)			-29°C to 49°C (-20°F to 120°F)		-54°C to 55°C (-65°F to 131°F)			-54°C to 55°C (-65°F to 131°F)			-40°C to 50°C (-40°F to 122°F)			-54°C to 55°C (-65°F to 131°F)		
Application Conditions	Applied at R.T. 35°F 0°F			Applied at R.T. 10°F		Applied at R.T. 35°F 0°F			Applied at R.T. 35°F 0°F			Applied at R.T. 35°F 0°F			Applied at R.T. 35°F 0°F		
VARIOUS PACKAGING FILM	★	★	×	○	○	★	★	★	★	★	★	★	★	×	★	★	★
PLASTIC	★	★	×	○	○	★	★	★	★	★	★	★	★	×	★	★	★
CORRUGATED BOX	★	★	×	○	△	★	★	○	★	★	○	★	★	×	★	★	○
PAPER	★	★	×	△	△	★	★	★	★	★	★	★	★	×	★	★	★
METAL	★	○	×	○	○	★	★	★	★	★	★	★	○	×	★	★	★
GLASS	★	★	×	○	○	★	★	★	★	★	★	★	★	×	★	★	★

★ Excellent ○ Good △ Fair × Not Recommended