

K SERIES

PROTECT WHAT MATTERS

Previously known as **CHR® K Series*

1 MIL POLYIMIDE PRESSURE SENSITIVE ADHESIVE TAPE

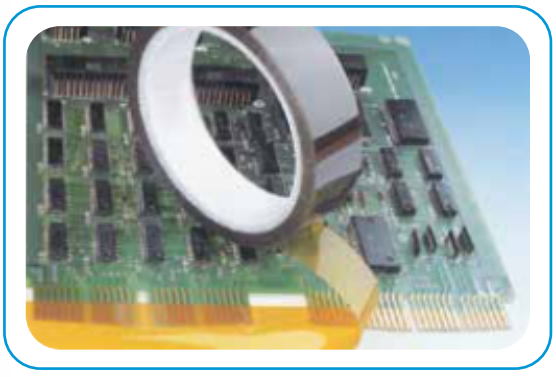
Norgard® K102, K103A, K250A and 2345-1 are manufactured by **Saint-Gobain**® Performance Plastics Corporation, Tape Solutions business, and come with polyimide film with high-temperature adhesive.

FEATURES/BENEFITS

Norgard K102, K103A and K250A have excellent mechanical and electrical properties, plus excellent dielectric strength. **Norgard** K102 and K103A offer high temperature resistance and a high conformability/resistance to solvents. **Norgard** K102, K103A and K250A have an outstanding resistance to cut through, and are impact and abrasion resistant. Acrylic adhesive can be thermoset. The polyimide backing meets MIL-P-46112B which is superseded by ASTM D5213 TY 1. **Norgard** 2345-1 meets the Underwriters Laboratories, Inc. Guide File E51201 with a 180°C temperature rating and complies with UL 510 for flame retardance. **Norgard** K250A and K103A meet Underwriters Laboratories, Inc. Guide File E51201 and comply with UL 510 for flame retardance. **Norgard** K250A and K103A have a temperature rating of 180°C and 155°C respectively.

APPLICATIONS

Norgard K102, K103A and K250A are constructed to fill the requirements of high performance thermoplastic polyimide backing materials. **Norgard** K102 and K103A were designed to fill the need of non-silicone adhesive gold finger connector wave solder protection. **Norgard** K102 and K103A work well for both solvent and water based fluxes. **Norgard** K102, K103A and K250A fill the various needs in electronic assembly and electrical insulation applications. **Norgard** 2345-1 is often used for applications that require holding, insulating, or wrapping. **Norgard** 2345-1 is chosen for gold finger protection during wave solder applications.



AVAILABILITY

Norgard K102 and K103A are available in master log form 33 m × 965 mm (36 yd × 38 in) wide, K250A and 2345-1 are both available in 33 m × 991 mm (36 yd × 39 in) wide. Rolls can be slit as required from 12.7 mm (0.5 in) upwards. These tapes are usually supplied without a liner (i.e., self-wound).

**Pictures are shown for illustration purposes only.*

NORGARD K SERIES 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	K102	K103A	K250A	2345-1
Backing Material	Film-Polyimide	Film-Polyimide	Film-Polyimide	Film-Polyimide
Adhesive Type	Acrylic	Acrylic	Silicone	Silicone
Total Thickness mm (mil)	0.064 (2.5)	0.064 (2.5)	0.064 (2.5)	0.064 (2.5)
Backing Thickness mm (mil)	0.025 (1.0)	0.025 (1.0)	0.025 (1.0)	0.025 (1.0)
Adhesive Thickness mm (mil)	0.038 (1.5)	0.038 (1.5)	0.038 (1.5)	0.038 (1.5)
Adhesion to Steel N/cm (oz/in)	3.3 (30)	2.7 (25)	2.2 (20)	2.7 (25)
Tensile Strength N/cm (lb/in)	53 (30)	53 (30)	53 (30)	53 (30)
Elongation at Break (%)	50	50	50	50
Dielectric Strength (volts)	7,000	7,000	6,500	6,500
Direct Electrolytic Corr.	1.0	1.0	1.0	-
Operating Temperature °C (°F)	-29 to +177 (-20 to +350)	-29 to +177 (-20 to +350)	-73 to +260 (-100 to +500)	-73 to +260 (-100 to +500)
Insulation Class (°C)	155	155	180	180
Color	Amber	Amber	Amber	Amber

CURBELL PLASTICS

1-888-CURBELL

www.curbellplastics.com

Curbell Plastics is a proud supplier of Saint-Gobain tape solutions.

IMPORTANT: It is the user's responsibility to ensure the suitability and safety of Saint-Gobain products for all intended uses and that the materials to be used comply with all applicable regulatory requirements. Saint-Gobain assumes no responsibility for any product failures that occur due to your actions or inactions, including your use, design, fabrication or application of the products into which the materials are incorporated.

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