

# K290ESD

## FILM-POLYIMIDE

Saint-Gobain Performance Plastics CHR® K290ESD is manufactured from polyimide film with high-temperature silicone adhesive.

### Typical Properties

Product Number	K290ESD
Backing Material	Film-Polyimide
Adhesive Type	Silicone
Total Thickness (in.)	.0025
Backing Thickness (in.)	.0010
Adhesive Thickness (in.)	.0015
Adhesion to Steel (oz./in.)	20
Tensile Strength (lbs./in.)	30
Removal from PCB, ESD (volts)	<50*
Removal from roll, ESD (volts)	<50*
Elongation (% at break)	50
Operating Temperature (°F)	-100 to 500
Color	Amber

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

\*Static charge @ 50 R.H., 70% in any ESD controlled environment.

**Applications**—K290ESD is constructed to fill the requirements of a high performance Thermoplastic (Polyimide Backing Materials). K290ESD is chosen for gold finger protection during wave solder applications that require reduced electrostatic discharge upon tape removal.

**Features/Benefits**—K290ESD has excellent electrostatic discharge properties—the ESD additive reducing the electrostatic discharge that occurs upon tape removal. K290ESD can safely and cleanly be removed from printed circuit boards. The proprietary adhesive system provides

high electrostatic dissipation without sacrificing adhesive strength at extreme temperatures.

K290ESD offers excellent mechanical and electrical properties, an excellent dielectric strength and high conformability.

**Availability**—Factory stock for K290ESD is in master log form 36 yards long x 38" wide. Rolls can be slit 1/4" wide to 38" wide. K290ESD is available with or without a liner.

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**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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