

CHR[®] K290ESD

Polyimide Pressure Sensitive Adhesive Tape

CHR K290ESD is manufactured by **Saint-Gobain[®]** Performance Plastics Corporation, Tape Solutions business, and comes with polyimide film with high-temperature silicone adhesive.

Features/Benefits

CHR K290ESD has excellent electrostatic discharge properties — the ESD additive reducing the electrostatic discharge that occurs upon tape removal. **CHR** 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. **CHR** K290ESD offers excellent mechanical and electrical properties, an excellent dielectric strength and high conformability.

Availability

Factory stock for **CHR** K290ESD is in master log form 33 m × 965 mm (36 yd × 38 in) wide. Rolls can be slit 6.35 mm to 965 mm (0.25 in to 38 in) wide. **CHR** K290ESD is available with or without a liner.

Applications

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



CHR K290ESD 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	K290ESD
Backing Material	Film-Polyimide
Adhesive Type	Silicone
Total Thickness mm (mil)	0.064 (2.5)
Backing Thickness mm (mil)	0.025 (1.0)
Adhesive Thickness mm (mil)	0.038 (1.5)
Adhesion to Steel N/cm (oz/in)	2.2 (20)
Tensile Strength N/cm (lb/in)	53 (30)
Elongation (% at break)	50
Removal from PCB, ESD (volts)	<50*
Removal from roll, ESD (volts)	<50*
Operating Temperature °C (°F)	-73 to +260 (-100 to +500)
Colour	Amber

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

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