

CHR® 2345-1E ELECTRICAL GRADE

Film – Polyimide

Saint-Gobain Performance Plastics CHR® 2345-1E ELECTRICAL GRADE is manufactured from 1.0 mil thick Polyamide backing material with 1.5 mils of high temperature silicone pressure sensitive adhesive.

PERFORMANCE

Product

CHR®2345-1E

Backing Material		Film - Polyimide
Property	Units	
Adhesive Type	-----	Silicone
Total Thickness	in.	.0025
Backing Thickness	in.	.0010
Adhesive Thickness	in.	.0015
Adhesion to Steel	oz/in.	20
Elongation	% at break	80
Operating Temperature	°F	-100 to 500
Break Strength	lbs/in.	30
Dielectric Strength	volts	6500
Insulation Class	°C	180
Direct Electrolytic Corr. Factor		1.0
Color		Amber

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

APPLICATIONS

CHR®2345-1E ELECTRICAL GRADE is constructed to fill the requirements of a high performance Thermoplastic Polyimide backing material. CHR® 2345-1E is often used for applications that require holding, insulating, or wrapping. CHR® 2345-1E is also chosen for gold finger protection during wave solder applications.

FEATURES/BENEFITS

CHR® 2345-1E ELECTRICAL GRADE has excellent mechanical and electrical properties as well as a high conformability. CHR® 2345-1E offers outstanding resistance to cut-through, and is impact and abrasion resistant. CHR® 2345-1E also offers excellent dielectric strength, while the burning of the adhesive forms a non-conductive ash. This material meets the Underwriters Laboratories, Inc. Guide OANZ2 and File #E51201 specifications with a 180°C temperature rating, and it complies with UL510 for a flame retardant. The polyimide backing meets MIL-P-46112B.

AVAILABILITY

Factory stock for CHR® 2345-1E ELECTRICAL GRADE is in master log form 36 yards long x 54 inches wide on plastic core.

SAINT-GOBAIN PERFORMANCE PLASTICS

14 McCaffrey Street

Hoosick Falls, NY 12090

Phone: 800.962.2666 (518.686.7301)

Fax: 800.526.8479 (518.686.4840)