

# 4240

## PET FILM / BIDIRECTIONAL GLASS ELECTRICAL TAPE

IPG®

# TECHNICAL DATA SHEET

### DESCRIPTION

Moderate strength glass scrim and conformable PET film coated with an aggressive acrylic adhesive for a variety of heavy duty insulating, banding and holding applications. The 1.0 mil (25µ) polyester film provides puncture, edge tear and abrasion resistance. 4240 is specially designed and intended for use in oil-filled transformers. Once thermoset, the acrylic adhesive offers superior resistance to chemicals, solvents, and aging in addition to excellent dielectric strength and insulation resistance.

### PRODUCT APPLICATIONS

Lead and saddle tie down, banding and bundling motor and transformer coils and coil covering.

### NOMINAL VALUES

The following data are nominal values based on PSTC, ASTM and other standard tests. The data should not be considered as specifications.

<b>Backing</b>	Polyester Film w/ Fiberglass Scrim
<b>Backing Thickness</b>	5.3 mil (0.13mm)
<b>Total Thickness (mil)</b> ASTM 3652	9.8 (0.25mm)
<b>Dielectric Strength</b>	5000 Volts
<b>Temp/Class</b>	155°C / F
<b>Adhesive</b>	Thermosetting Acrylic
<b>Tensile Strength (lbs/in)</b> ASTM 3759	135 (236N/cm)
<b>Adhesion to Steel (oz/in)</b> ASTM 3330	40 (4.38 N/cm)
<b>Elongation (% at break)</b> ASTM 3759	6
<b>Color</b>	Transparent Adhesive
<b>Storage Stability</b>	Up to 24 months
<b>Solvent Resistance</b>	Excellent
<b>Moisture Resistance</b>	Excellent



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EFFECTIVE: 02/24

