



800 Martha Street – Pittsburgh, PA 15120
412/462-6300

Mica Paper Polyimide Film Tape Glass Reinforced 12-9L-12-190

Properties and Applications

12-9L-12-190 is a cured flexible silicone bonded 12mm thick tape with mica paper laminated to polyimide film, reinforced with fiberglass. The typical features of mica and polyimide make this product ideal for applications requiring high temperature along with high dielectric performance.

The glass reinforcements greatly enhance the tensile strength of the product allowing for increased performance in applications where high tension pull is required on the tape. Tensile strength is almost double the strength of mica-polyimide tapes like our 18-9L-18-180.

This tape is recommended for hand connection applications for high performance applications such as wind generators, traction motors, and medium to large scale high voltage equipment.

This material is available in 35" wide cell wrapper as well as slit tape form.

PROPERTIES	
Thickness:	.12mm/.00472" +/- .0005"
Binder Content:	≤15%
Tensile Strength:	37 Lb/in
Dielectric Strength:	1150 VPM
Shelf Life	1 year @ 70F Min.
CONSTRUCTION	
Polyimide Film:	.03 mm/.0012"
Mica Paper:	.055 mm/.0022"
Glass:	.03 mm/.0012"

DIMENSIONS AND TOLERANCES:

All width tolerance are +/- 1/32"

PACKING AND MARKING:

This material shall be packed and marked in accordance with guidelines set by the purchase order, subject to acceptance by PEI.