

EverForm EVFMGS Insulation Material

Manufacturing Specifications

| | EVFMGS-10 | EVFMGS-17 | EVFMGS-30 |
|----------------|------------------------|-----------------------|-----------------------|
| EEDDDEE COLOR | NATURAL | NATURAL | NATURAL |
| THICKNESS (IN) | 0.010 (+0.003/-0.0015) | 0.017 (+0.003/-0.001) | 0.030 (+0.002/-0.002) |
| THICKNESS (MM) | 0.25 (+0.08/-0.04) | .25 (+0.08/-0.03) | .76 (+0.05/-0.05) |

Notice: The above information is believed to be accurate and reliable. CR Technology assumes no responsibility for end use applications and no performance warranty is expressed or implied

Mechanical Properties

| | TEST METHOD | EVFMGS-10 | EVFMGS-17 | EVFMGS-30 |
|----------------------|------------------------------|------------------|------------------|------------------|
| TENSILE YIELD - PSI | ASTM D-882 / ISO 527-1,-2 | | | |
| MACHINE DIRECTION | | 4,400 | 4,400 | 4,400 |
| TRANSVERSE DIRECTION | | 3,200 | 3,200 | 3,200 |

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Physical Properties

| | TEST METHOD | EVFMGS-10 | EVFMGS-17 | EVFMGS-30 |
|--|--------------------------------------|-----------|-----------|-----------|
| DENSITY - GM/CC | ASTM D-792 / ISO 1183-1, METHOD A | 1.035 | 1.035 | 1.035 |
| OXYGEN INDEX - % | ASTM D-2863 / ISO 4589--1,-2 | 29 | 29 | 29 |
| WATER ABSORPTION - % CHANGE IN WEIGHT | ASTM D-570 / ISO 62, METHOD 4 | 0.06% | 0.06% | 0.06% |

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Electrical Properties

| | TEST METHOD | EVFMGS-10 | EVFMGS-17 | EVFMGS-30 |
|--|---------------------------------|--------------------|--------------------|--------------------|
| COMPARATIVE TRACKING INDEX - VOLTS | IEC 60112 | 600 | 600 | 600 |
| SURFACE RESISTIVITY - OHMS / SQUARE | ASTM D-257 | 109~1011 | 109~1011 | 109~1011 |
| DIELECTRIC BREAKDOWN - VOLTS | ASTM D-149 / IEC 60243-1 | 16,830 | 19,610 | 26,480 |
| DIELECTRIC STRENGTH - VOLTS/MIL | ASTM D-149 / IEC 60243-1 | 1,683 | 1,154 | 883 |
| VOLUME RESISTIVITY - OHM-CM | ASTM D-257 / IEC 62631-3-1 | 8X10 ¹⁵ | 8X10 ¹⁵ | 8X10 ¹⁵ |
| DIELECTRIC CONSTANT | ASTM D-150 / IEC 60250, 1MHZ | 2.30 | 2.30 | 2.30 |
| DISSIPATION FACTOR | ASTM D-150 / IEC 60250, 1MHZ | 0.0019 | 0.0019 | 0.0019 |

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