







Types of R-525 Electric Insulators	R-525RD-1 	R-525RD-2 	R-525HEX-1 	R-525HEX-2 
Gauge	1/4	5/16	1/4	5/16
Thread	20	18	20	18
RD or HEX	Round	Round	Hex	Hex
Deep	5/16	5/16	5/16	5/16
Diameter Shape	Hexagon	Circular	Circular	Circular
Diameter	1 inch	1 inch	1 inch	1 inch
Height	1-1/4"	1-1/4"	1-1/4"	1-1/4"
Threading Options	American/Metric	American/Metric	American/Metric	American/Metric
Dielectric Strength	22 kV	22 kV	22 kV	22 kV
Insert Material	Aluminum Brass Steel	Aluminum Brass Steel	Aluminum Brass Steel	Aluminum Brass Steel
Insert Junction	Female Male	Female Male	Female Male	Female Male
Arc Resistance	181 + sec	182 + sec	183 + sec	184 + sec
Flammability	Meets UL 94-VO rating at 1/4" thickness	Meets UL 94-VO rating at 1/4" thickness	Meets UL 94-VO rating at 1/4" thickness	Meets UL 94-VO rating at 1/4" thickness
Impact	50 inch/lbs.	50 inch/lbs.	50 inch/lbs.	50 inch/lbs.
Tensile Strength	1850 ft/lbs.	1850 ft/lbs.	1850 ft/lbs.	1850 ft/lbs.
Cantilever Strength	730 ft/lbs	730 ft/lbs	730 ft/lbs	730 ft/lbs
Torque Strength	11.5 ft/lbs.	11.5 ft/lbs.	11.5 ft/lbs.	11.5 ft/lbs.
Water Absorption	0.29	0.29	0.29	0.29
Ht. Tolerance	0.015 inch	0.015 inch	0.015 inch	0.015 inch
Thread Inserts	1/4" x 20 x 5/16" deep max.	1/4" x 20 x 5/16" deep max.	1/4" x 20 x 5/16" deep max.	1/4" x 20 x 5/16" deep max.
U/L Material	E-27601-C, 2/27/76	E-27601-C, 2/27/76	E-27601-C, 2/27/76	E-27601-C, 2/27/76
Packaging	500 pcs.	500 pcs.	500 pcs.	500 pcs.
WT. Per Box	33 lbs.	33 lbs.	33 lbs.	33 lbs.
Insulation Material	Glass reinforced polyester bulk molding compound	Glass reinforced polyester bulk molding compound	Glass reinforced polyester bulk molding compound	Glass reinforced polyester bulk molding Compound
Custom Insert Mat. Request	Aluminum Brass Steel	Aluminum Brass Steel	Aluminum Brass Steel	Aluminum Brass Steel



Electric insulators for various applications: bus bars, switch gear, etc. Insulators are made with a glass reinforced polyester bulk molding compound, and aluminum threads. They are compression molded to give you the highest strength available.

The BMC (Bulk Molding Compound) material is U.L. listed 94-VO for flammability, and meets requirements for the U.L. 891 standard for safety. Every insulator is hi-pot tested at 3,000 volts, and inspected for: cracks, short spots, and defects of any kind

Applications

- Custom sizes and shapes available
- Available with aluminum, brass, or steel inserts
- Available with female or male inserts upon request



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