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Electrical Insulation Plate

This 3D printed insulation plate connects relay boards in railway electrical applications. It is printed with Kimya PC-FR, a fire-retardant polycarbonate filament that meets the European railway fire safety standard EN45545-2. 3D printing with PC-FR filament is a more cost- and time-efficient alternative to long lead time/high-cost molding operations, making low-volume production applications like obsolete part replacement viable. As a Stratasys Validated Material, Kimya PC-FR has been tested and tuned for operation on the Fortus 450mc™ 3D printer.

System	Fortus 450mc
Material	Kimya PC-FR (fire retardant polycarbonate)
Build Time	3h
Model Material Used	106.5 cm ³ (6.5 in ³)
Support Material Used	13.1 cm ³ (0.8 in ³)

ISO 9001:2015 Certified

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