Raychem RRBB

Interphase Insulating Barrier Board

KEY FEATURES

- Excellent tracking resistance
- Excellent machining properties
- No impregnated fibers

TE Connectivity's Rigid Red Barrier Board (RRBB) is a non-structural, interphase barrier for switchgear applications. The RRBB board is made from a homogenous polymer and has excellent track resistance, especially following a power-arc. It can be easily fabricated into a shape; it produces less nuisance dust and less tooling wear than other boards.

The use of RRBB barriers allows switchgear cabinets to be protected against interphase flashovers that can be caused by contaminants, moisture and animals.

The excellent tracking resistant properties provides longevity not found in typical polymers. UV properties of the barrier boads make it suitable for outdoor applications. These extremely durable barrier boards are damage resistant from solvents, mechanical impact and general wear and tear usage. The UV properties of the barrier boards are suitable for outdoor applications. Machining properties allow boards to be cut and drilled for mounting without the need of special safety equipment. The innovative cross-linking polymer withstands power-arcs without compromising its physical shape. The high temperature resistant material can be wiped clean after power-arc events resulting in no visible effects of surface damages.

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from TE Connectivity

Product Performance		
Key Material Properties	**Test Method**	**Requirement**
Physical Tensile Strength	ASTM D2638	17 MPa minimum (2450 psi min.)
Physical Ultimate Elongation	ASTM D2638	25% minimum
Electrical Tracking and Erosion Resistance	ASTM 2303 Step Voltage Method (initiate @ 2.5 kV)	No tracking, or erosion to top surface or flame failure after: 1 hr @ 2.5 kV 1 hr @ 2.75 kV 1 hr @ 3.00 kV 20 min. @ 3.25 kV

Product Selection Information: Dimensions in inches (mm)			
Catalog Number	**Width**	**Length**	**Thickness**
RRBB-6-1.25Mx1.25M-B	48 (1220)	48 (1220)	0.250 (6)
RRBB-2440/1220-6.2-BP	48 (1220)	96 (2440)	0.250 (6)

Technical Report:
Related Test Report—EDR-5311