

Low-Fire-Hazard Screened Material

Product Facts

- Screened Zerohal material
- Low smoke index as defined by NES 711
- Low toxicity index as defined by NES 713
- High temperature index as defined by NES 715



Applications

-100S is the Zerohal material option in Raychem Rayaten shield (screen) termination system. This material combines the fire safety properties of -100 with the excellent EMI and RFI screening of Rayaten screened molded parts where there is a need to lower the risk.

-100S is suitable for high-performance screen terminations in areas where Raychem Zerohal materials are required.

The standard color is black. Products made from these materials are normally used in an assembly (see section 7).

Operating Temperature Range

-30°C to 105°C
[-22°F to 221°F]

Available in:	Americas	Europe	Asia Pacific
	■	■	■

-100S (Continued)

Military	Raychem
VG 95343 Pt. 20, Pt. 22	RK-6724

Product Characteristics

	Specification Requirements*	Screening Effectiveness in dB at	
		3 KHz to 30 MHz (min.)	>30 MHz to 100 MHz (min.)
Initial values	Tensile strength: 7 MPa (min.) Metal adhesion: 15 N/cm (min.) Shielding effectiveness	75	70
Thermal	Heat shock (1/2 h at 200°C [392°F])	75	70
	Heat aging (168 h at 150°C [302°F])	75	70
Fluids	Immersion in the following fluids for 24 h:		
	Phosphate ester hydraulic fluid DTD900/4881 at 23°C [73°F]	75	70
	Water at 23°C [73°F]	75	70
	Lubricating oil O-149 at 50°C [122°F]	75	70
	Transformer oil S-756 at 50°C [122°F]	75	70

*Values quoted are for the polymer/metal composite in all cases when terminated using epoxy adhesives. (Refer to section 5.)