

# RFM<sup>®</sup> THERMOCOUPLE PROTECTION TUBES

## LIGHT DENSITY REFRACTORY COMPOSITE TCPT



Pyrotek's RFM<sup>®</sup> thermocouple protection tubes were specifically engineered to provide a robust, non-wetting product that results in longer service life. By joining two well known proprietary products, O'-Sialon and RFM, Pyrotek achieved an unequalled thermocouple protection tube.

The O'-Sialon tip has excellent thermal conductivity which results in fast response time to temperature fluctuations, and reaches steady state in a matter of minutes. The RFM composite is a fiberglass reinforced material having an extremely high thermal shock resistance, and withstands mechanical abuse without breakage. RFM is non-wetting to the most corrosive aluminium alloys and

its matrix chemical composition largely reduces corundum growth.

### ADVANTAGES

- Non-wetting to aluminium and its alloys
- Less dross build up at metal line
- Superior response time
- Narrow temperature control band for energy conservation
- Excellent thermal shock resistance
- Longer life

### APPLICATIONS

- Crucible furnaces
- Degassing crucibles
- Holding furnaces
- Casting areas

### AVAILABLE SIZES

2 inch OD x 1/2 or 3/4 inch steel or stainless steel pipe in required lengths listed.

### LENGTHS AVAILABLE

Standard length 6–72 inches in 6 inch increments.

Can also be supplied to custom length.

RFM<sup>®</sup> is a registered trademark of Pyrotek Inc.

Note: The physical and chemical properties listed represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice.

Product Type: 177

Commodity Code: 02029