

## **BlazeMaster® Fire Sprinkler Systems Submittal Specification – North America**

### **SCOPE:**

This specification covers the material requirements for BlazeMaster® CPVC SDR 13.5 pipe and socket fittings. Both the pipe and fittings are manufactured in North America and meet or exceed the requirements set forth by the appropriate ASTM standard (F437, F438, F439, F442), and NSF/ANSI Standards 14 and 61.

### **CPVC MATERIALS:**

BlazeMaster CPVC pipe and fittings are extruded/molded from Lubrizol CPVC compounds. The pipe compound meets cell class 23547 and the fitting compound meets cell class 24447 as defined by ASTM D1784. Both the pipe and the fitting compounds are certified by NSF International for use with potable water.

As manufactured by Tyco Fire Protection Products, The Viking Corporation, Georg Fischer Harvel LLC., Nibco Inc. and IPEX Inc.

### **DIMENSIONS AND PROPERTIES:**

Dimensions, tolerances and physical properties meet or exceed the requirements of the appropriate ASTM standard (F437, F438, F439, F442).

### **COMPATIBILITY:**

Ancillary products (including, but not limited to fire stops, thread sealants, leak detectors, etc.) coming into contact with pipe and fittings must be chemically compatible with BlazeMaster CPVC pipe and fittings (reference the Lubrizol FBC™ System Compatible Program).

### **SOLVENT WELDING:**

All socket type joints shall be assembled employing solvent cements that meet or exceed the requirements of ASTM F493. The standard practice for safe handling of solvent cements shall be in accordance with ASTM F402. Solvent cement shall be certified by NSF International for use with potable water, and approved by the BlazeMaster pipe and fittings manufacturers.

### **BASIC USE:**

BlazeMaster Pipe and fittings are Listed by UL for use in Light Hazard Occupancies as defined by NFPA 13, 13R and 13D.

BlazeMaster is permitted to protect ordinary hazard rooms of otherwise light hazard occupancies where the room does not exceed 400 square feet (i.e. Laundry room) as defined in NFPA 13 and NFPA 13R.

### **MARKING:**

The marking on the CPVC pipe and fittings shall meet the requirements of UL 1821 and the appropriate ASTM standard (F437, F438, F439, F442), and state the pipe/fitting manufacture's name or trademark, the material designation, the size, the NSF mark for potable water and the ASTM designation ASTM (F437, F438, F439, F442).