



FIRE CODE DATA

ACRYLIC

UL LABEL NUMBER94HB-746-C
MAXIMUM SMOKE DENSITY - (ASTMD-2843)4.3%
BURN RATE (U.C. 94HB) (ASTMD-2863)16.1%
FLAME SPREAD (INCHES/MINUTE) (ASTMD-635).....0.6
REFRACTIVE INDEX.....1.4912

POLYSTYRENE

UL LABEL NUMBER94HB-183-U
FLAME SPREAD.....165 - 190
FUEL CONTRIBUTED95
SMOKE DEVELOPED.....OVER 500



FIRE CODE DATA

POLYSTYRENE

UL LABEL NUMBER 94HB
 FLAME SPREAD 165 - 190
 FUEL CONTRIBUTED 95
 SMOKE DEVELOPED OVER 500

ACRYLIC

FLAME SPREAD 165 - 190
 FUEL CONTRIBUTED 95 - 120
 SMOKE DEVELOPED OVER 500
 CLASSIFICATION UNDER UBC + NFPA CLASS 3 OR C

NOTES:

1. BASED ON TESTS DONE BY THE UNITED STATES TESTING CO. (CITY OF COMMERCE, CA), CLASS "A" FIRE RATED MATERIALS MUST MEET: FLAME SPREAD OF UNDER 25 AND SMOKE DEVELOPED OF UNDER 450.
2. THE DIFFERENCE BETWEEN STYRENE AND ACRYLIC WHEN THEY BURN IS: STYRENE BURNS WITH A BLACK TOXIC SMOKE. ACRYLIC BURNS WITH A CLEAR WHITE OR NON-TOXIC SMOKE.
3. FOR ELEVATORS, WE DO NOT RECOMMEND USING ACRYLIC OR STYRENE MATERIALS DUE TO FIRE CODES. THE USE OF ALUMINUM OR FLAME RETARDANT MATERIAL IS ADVISED