

TECHNICAL SPECIFICATION

CPVC Gas Venting System WESTLAKE PIPE & FITTINGS' GVS-90 Schedule 40 Pipe and Schedule 40/80 Fittings

SCOPE

This specification covers the requirements for CPVC (chlorinated polyvinyl chloride) GVS-90 pipe and fittings. The pipe and fittings are available in nominal sizes of 1 ½", 2", 2 ½", 3", 4", 6" and 8". The pipe and fittings are certified together as a system by Intertek Testing Services to CAN/ULC S636 as a Type BH, Class IIB, Gas Vent, for use with appliances with flue gas temperature of up to and including 90° C. This product requires zero clearance to combustibles. The pipe and fittings are certified as a system and cannot be installed with pipe and fittings produced by other manufacturers. The pipe and fittings shall be assembled using only primer (purple or clear) and solvent cement (orange) listed as part of the Westlake Pipes & Fittings' GVS-90 system.

MATERIALS

The pipe and fittings are manufactured from virgin CPVC compound meeting the cell classification requirements of 23447 as defined by the American Society of Testing and Materials (ASTM) standard D 1784: *Standard Specification for Rigid PVC Compounds and CPVC Compounds*.

MARKING

Pipe and fitting markings are as specified in CAN/ULC S636.

PIPE

The pipe is manufactured as a plain end, Schedule 40 pipe with dimensions as shown below.

FITTINGS

The fittings are manufactured to meet Schedule 40 and 80 fitting dimensions. Please contact Westlake Pipes & Fittings' for available fitting configurations.

TEST REQUIREMENTS

Quality testing is as per Westlake Pipes & Fittings' Quality Assurance program.

FLAME SPREAD AND SMOKE DEVELOPED RATING

This pipe is certified by Intertek Testing Services to ULC S102.2 with a flame spread (FS) rating of 5 and a smoke developed (SD) rating of 25.

PIPE DIMENSIONS

Nominal Size in (mm)	Outside Diameter (O.D.) in	Wall Thickness (t) in	Overall Length (L) ft
1-1/2 (40)	1.894 – 1.906	0.145 – 0.165	10 Plain End
2 (50)	2.370 – 2.381	0.154 – 0.174	
2 ½ (65)	2.868 - 2.882	0.203 - 0.227	
3 (75)	3.492 – 3.508	0.216 – 0.242	
4 (100)	4.496 – 4.504	0.237 – 0.265	
6 (150)	6.614 – 6.636	0.280 – 0.314	
8 (200)	8.610 – 8.638	0.322 – 0.361	

