

# **BEST BLOCK** **PIPE SUPPORT** **SPECIFICATIONS & TESTING REPORT**

## Material Specifications

Montell Polyethylene Impact Copolymer

excellent cold impact resistance, good stiffness and impact balance.

## Mechanical Properties

Tensile Strength, 3050 psi

Elongation at yield 5%

Impact Test 45 FT lbs per sq inch at 10 C

## Thermal Properties

Deflection Temperature at 0.46 MPa (66 psi) 194 F

Mechanical Impact 149 F

Maximum load base of block per Sq. inch 20 lbs

### **Maximum Force at break**

### **SCREW TYPE Pull Testing (Standard Test Methods for Tensile test** **Using Montell SG702 Polypropylene Impact Copolymer )** **Test using standard 2.5 / 2.0 / 1.5 clamps**

| Test Sample  | Maximim load | Average  | Minimum    | Maximum    |
|--------------|--------------|----------|------------|------------|
| 1. #10 Screw | 0.661        | 0.660    | 0.660      | 0.661      |
| 2. #12 Screw | 0.772        | 0.771    | 0.771      | 0.772      |
| 3. 8# weight | Impact       | No break | Temp -25 F | Temp 200 F |
|              |              |          |            |            |

## **Basic Question and Answer**

How do you attach gas pipe, refrigeration lines or electrical lines to the block?  
Attaching to the block is simple. You can use standard clamps or threaded rod which will allowed the installer to alter the slope as required.

No special screws or tools to secure the pipe to the block?  
The block is made from high density polyethylene and any #10 or 12 screw will do but caution should be used because excessive torque will cause the screw to spin.

Engineers have accepted the Best Block greatly all over North America. Also Approval of the Best Block gas codes is that the gas pipe must be supported off of the roof and does not specify the required techniques.

## **Product Specifications**

The **Best Block** is made of two parts: the top which is made of moulded High Density Polyethylene and the base made from 1" extruded closed cell polystyrene which has a compression value of 20 psi.

The block design maximizes the support strength while reducing the overall weight. The interior allow for expansion and contraction of the block under extreme conditions.

The lower portion of the Best Block we have incorporated a 7/8" high wall which acts to retain the extruded polystyrene foam base and limit UV exposure to the Foam

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