



XACTO®

BLUE

In- house notable water piping system

Reference Standard: ISO 4422 Series 12.5

Dimensions

<i>Pipe Size</i>	<i>Mean Outside Diameter</i>	<i>Wall Thickness</i>	<i>Effective Length</i>
20	20 + 0.3mm	1.5 + 0.4mm	3 meters
25	25 + 0.3mm	1.5 + 0.4mm	3 meters
32	32 + 0.3mm	1.6 + 0.4mm	3 meters

Mechanical Characteristics

	<i>Standard Requirement</i>	<i>Reference Standard</i>	<i>Xacto Blue Pipes</i>
Resistance to Hydrostatic Pressure*	Shall not fail	ISO 1167	Passed
Resistance to External Blows	True impact rate shall not exceed 10%	ISO 3127	Passed

*Xacto Blue Pipes passed the hydrostatic pressure requirement for Series 12.5.

Physical Characteristics

	<i>Standard Requirement</i>	<i>Reference Standard</i>	<i>Xacto Blue Pipes</i>
Vicat Softening Temperature	Shall not be less than 80 °C	ISO 2507	Passed
Longitudinal Reversion	Shall not be greater than 5%	ISO 2505	Passed

Effect of Materials on Water Quality*

	<i>Maximum Levels Permitted</i>	<i>Reference Standard</i>	<i>Xacto Blue Pipes</i>
Lead & Tin	1.00 mg/L at 1 st extraction & 0.05 mg/L at 3 rd extraction	ISO 3114	Not detected
Di-alkyl Tin, C4, and other higher monologues measured as Tin	0.02 mg/L at 3 rd extraction	ISO 3114	Not detected
Cadmium	0.01 mg/L	ISO 6992	Not detected
Mercury	0.001 mg/L	ISO 6992	Not detected

*Xacto Blue Pipes are LEAD-FREE. No traces of lead, tin, cadmium & mercury can be detected.