



## EnviroCon T-Lock Material Specifications

T-Lock shall be extruded from black medium density copolymer designed specifically for pipe extrusion. It will have NSF approval for potable water applications and is recognized by the Plastics Pipe Institute as having a PE2406 rating.

The resin shall be FORTIFLEX K36-55-123, as manufactured by Soltex Polymer Corporation, or approved equal.

Property	ASTM Test Method	Typical Values (SI Units)
Density (Natural)	ASTM D1505	0.938 g/cc
Density (Black)	ASTM D1505	0.938 g/cc
Melt Flow Index	ASTM D1238	0.55 g/10 min.
Tensile Strength		
<i>at Yield (2 in/min.)</i>	ASTM D638	19.3 MPa
<i>at Break (2 in/min.)</i>	ASTM D638	22.1 MPa
Elongation		
<i>at Break (2 in/min.)</i>	ASTM D638	>700%
Flexural Modulus	ASTM D790	724 Mpa
Notched Izod Impact Strength	ASTM D256	0.523 kJ/m
Vicat Softening Point	ASTM D1525	125°C
Brittleness Temperature	ASTM D746	<-75°C
Environmental Stress Crack Resistance	ASTM D1693	>2,000 hrs.
Hydrostatic Design Basis		
<i>at 23°C</i>	ASTM D2837	8.6 Mpa
Carbon Black Concentration	ASTM D1603	2.5%
Cell Classification	ASTM D3350	224333C