



Material Data Sheet

CenCore HDPE Polyethylene Pipe

Material: All CenCore HDPE is manufactured from virgin high density polyethylene resin with the cell classification of 345464C per ASTM D 2239 or ASTM D 2737.

Print Line: All CenCore HDPE is permanently indent printed with white print stating the following:

1. Identification of Centennial Plastics as the manufacturer.
2. The appropriate SDR, SIDR and/or CTS designation and nominal diameter.
3. Product trade name.
4. All relevant ASTM standards to which CenCore is manufactured.
5. Relevant NSF and AWWA standards.
6. Manufacturing date using the Julian calendar.
7. Incremental footage marking every two feet.
8. Design temperature rating.
9. Production shift designation.
10. Identification of PE 3408 high density resin.

Recommended Usage: CenCore HDPE is recommended for use as the piping material for all potable water mains and service lines.

Connections: CenCore HDPE is manufactured to accommodate insert fittings and/or CTS compression fittings.

Handling: Any handling of the pipe shall avoid contact with sharp edged objects. If stored outside for long periods of time, the pipe should be covered with a UV resistant tarp or cover. If the wall of the pipe is penetrated by more than 10% of it's thickness, the damaged pipe should be cut out, disposed of and replaced.

Hydrostatic Design	
Temperature	Hydrostatic Design Basis
73.4 ^o F. (23 ^o C.)	1600 PSI
140 ^o F. (60 ^o C.)	800 PSI

As the temperature of the fluid increases above 73.4^o F, the pressure carrying capacity of HDPE pipe decreases.

73 ^o F.	80 ^o F.	90 ^o F.	100 ^o F.	110 ^o F.	120 ^o F.	130 ^o F.
Pressure Capacity in PSI						
80	76	72	64	60	56	40
100	95	90	80	75	70	50
125	118	112	100	93	87	62
160	152	144	128	120	112	80
200	190	180	160	150	140	100