

# APPLICABLE STANDARDS

## ASTM F2160

### A STANDARD SPECIFICATION FOR SOLID WALL HIGH DENSITY POLYETHYLENE (HDPE) CONDUIT BASED ON CONTROLLED OUTSIDE DIAMETER (OD)

ASTM F2160, adopted December, 2001 replaces ASTM Standards D3035, D2447 and D2239, which apply to Water Pipe products. These water pipe ASTM's have been used for conduit in the absence of an ASTM for conduit products.

Corrugated innerduct is not covered by an ASTM Standard. Endot Industries Standard for Corrugated Polyethylene Innerduct applies.

## APPLICABLE STANDARDS - MATERIALS<sup>1</sup>

<u>ASTM Test Method</u>	<u>Property</u>	<u>Typical Values</u>
ASTM D4883	Density	0.946 g/cc
ASTM D1238	Melt Index	0.25 g/10 min
ASTM D638	Elongation @ Break	> 800%
ASTM D790	Flexural Modulus	110,000 psi (758 MPa)
ASTM D638	Tensile Strength @ Yield	3500 psi (24.1 MPa)
ASTM D746	Brittleness Temp	< -180°F (< -119°C)
ASTM D2240	Hardness (Shore D)	68
ASTM D648	Deflection Temperature @ 66 psi	156°F (69°C)
ASTM D1693	Environmental Stress Crack Resistance Test Condition C	600 hrs
ASTM D2837	Hydrostatic Design Basis	Not Pressure Rated
ASTM D3895 Modified	OIT @ 200°C	> 20 min
ASTM D3035	Cell Classification	334440A <sup>2</sup>

1. These are typical values. If a specific HDPE material specification is required please advise when requesting a quotation.
2. Raw material is classified as "A".  
For black conduit use "C"  
For colored conduit with UV Stabilizer use "E".