

Milliken® Infrastructure

Vis™ Divide

Segmented HDPE Rigid Conduit



Technical Data

Vis Divide conforms to the following industry standards:

- ASTM F2160: Standard Specification for Solid Wall High Density Polyethylene Conduit based on Controlled Outside Diameter
- ASTM D3350: Standard Specification for PE Plastics Pipe and Fittings Materials

Vis Divide Dimensional Specifications: Controlled OD DR 11

Vis Divide Style	Part Number	Nominal OD, in.	Nominal ID, in.	Minimum Wall, in.	Weight, lbs/ft	Min. Bending Radius	Safe Pulling Strength, lbs*
1½" 2-cell	4000159338	1.900	1.530	0.173	0.410	> 25 times OD	1,400
2" 2-cell	4000166472	2.375	1.910	0.216	0.640	> 25 times OD	2,190
2" 3-cell	4000166993	2.375	1.910	0.216	0.640	> 25 times OD	2,190

Each cell of Vis Divide contains Vis Tape - ½" wide, pre-lubricated, 1250 lb pull tape with sequential foot markings.

* Safe pulling strength is under ideal conditions. Other consideration should be given to hole size, ground conditions, mud, bending radius and operator experience.

HDPE Material Specifications: ASTM D3350

Typical Properties ¹	English	SI Units	ASTM Method
Density	na	0.948 g/cc	D4883
Melt Index 190° C/2160g	na	0.22 g/10 min	D1238
Tensile Strength			
- @ yield (2 in/min)	3,400 psi	23.4 Mpa	D638
- @ break (2 in/min)	4,500 psi	31.0 Mpa	D638
Elongation @ Break (2 in/min)	>800%	>800%	D638
Flexural Modulus	130,000 psi	897 Mpa	D790
Hardness (shore D)	68	68	D2240
Deflections Temperature			
- @ 66 psi	156° F	69° C	D648
Brittleness Temperature	< -180° F	< -118° C	D746
OIT @ 200° C	> 20 min		D3895 Modified
Environmental Stress Crack Resistance			
- Condition B, 10% Lgepal F10	> 96 hrs	> 96 hrs	D1693
- Condition C, 100% Lgepal F20	> 192 hrs	> 192 hrs	D1693
Cell classification	335430A	335430A	D3350
UV Protection	Minimum 1 year outside storage on colors and with use of end caps. Black is manufactured with carbon black for added UV protection.		

Vis Divide is manufactured from High Density Polyethylene as specified in ASTM D3350 and ASTM F2160. The physical properties of this material is appropriate for its intended end use applications; particularly telecommunications, CATV and electrical/power utility applications. These applications are installed using direct bury, trench or horizontal directional drilling placement methods.

¹Typical properties will vary within specification limits