



HIGH-DENSITY

Polyethylene Conduit

Applications

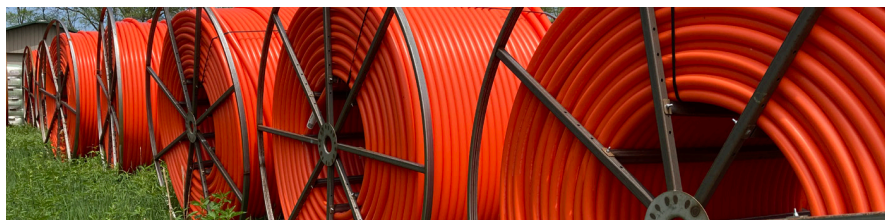
HIGH-DENSITY POLYETHYLENE CONDUIT

PE 334480C/PE 334480E HDPE Conduit Primary Properties

Property	Unit	Test Procedure	Typical Value
Cell Classification	-	ASTM D3350	PE334480C/PE334480E
Density	g/cm ³	ASTM D1505	>.940
Melt Index	g/10 min	ASTM D1238	<0.4
Flexural Modulus	psi	ASTM D790	>80,000
Tensile Strength at Yield	psi	ASTM D638	>3,000
Slow Crack Growth Resistance (ESCR)	-	ASTM 1693, Condition B, 10% Igepal at 50° C for 96 hrs	No cracks
Color/UV Protection	-	-	1 year stabilization

The physical properties of Viaflex products described herein represent typical average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice.

For data, sizes, or classes not reflected in these charts, please **contact Viaflex** for assistance.



Dimensions and Weights

Submittal and Data Sheet

Nominal Sizes (In)	O.D. (In)	DR	Minimum Wall (In)	Average I.D. (In)	Weight (Lbs/Ft)
0.75	1.050	11.0	0.095	0.840	0.128
		13.5	0.078	0.874	0.110
		SCH40	0.113	0.804	0.148
		SCH80	0.154	0.722	0.188
1.00	1.315	11.0	0.120	1.055	0.199
		13.5	0.097	1.101	0.167
		SCH40	0.133	1.029	0.217
		SCH80	0.179	0.936	0.276
1.25	1.660	11.0	0.151	1.338	0.312
		13.5	0.123	1.394	0.263
		SCH40	0.140	1.360	0.293
		SCH80	0.191	1.255	0.382
1.50	1.900	11.0	0.173	1.533	0.408
		13.5	0.141	1.598	0.342
		SCH40	0.145	1.590	0.350
		SCH80	0.200	1.476	0.463
2.00	2.375	11.0	0.216	1.917	0.636
		13.5	0.176	2.002	0.528
		SCH40	0.154	2.047	0.469
		SCH80	0.218	1.913	0.641
2.50	2.875	11	0.261	2.322	0.930
		13.5	0.213	2.423	0.775
		SCH40	0.203	2.445	0.740
		SCH80	0.276	2.290	0.978
3.00	3.500	11	0.318	2.826	1.380
		13.5	0.259	2.951	1.146
		SCH40	0.216	3.042	0.969
		SCH80	0.300	2.864	1.310

Reference Standards

ASTM D638

Standard Test Method for Tensile Properties of Plastics

ASTM D790

Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulation Materials

ASTM D1238

Standard Test Method for Melt Flow Rates of Thermoplastics by Extrusion Plastometer

ASTM D1505

Standard Test Method for Density of Plastics by the Density-Gradient Technique

ASTM D2837

Standard Test Method for Obtaining Hydrostatic Design Basis for Thermoplastic Pipe Materials

ASTM D3350

Standard Specification for Polyethylene Plastic Pipe and Fittings Material

ASTM F412

Standard Terminology Relating to Plastic Piping Systems

ASTM F2160

Standard Specification for Solid Wall High Density Polyethylene (HDPE) Conduit Based on Controlled Outside Diameter (OD)

