

Smooth Wall Conduit

Spec Sheet



Standard Conduit

Conduit Types

Smooth Wall

Internally Ribbed

Available Sizes

.75", 1", 1.25", 1.5", 2.0"

1.25", 1.5", 2.0"

Wall Types

SDR 11, SDR 13.5

SDR 11, SDR 13.5

Color Offerings:



Optional: Pre-Installed Pull Tape – 1/2" 1250 lb

Material: Prime High Density Polyethylene (DOW DGDA-2488 and Braskem HDPE0353)

Description:

Dow DGDA-2488 & Braskem HDPE0353 are HDPE copolymers designed for solid wall conduit applications Industrial Standard compliance ASTM D3350: Cell Classification PE 435620A

Dow DGDA-2488 and Braskem HDPE0353 meet the material requirements specifications ASTM F2160 and SUDAS Spec 8010.2.01

The resin is recommended for use in applications that are required to meet AASHTO M294 Specifications

Applications:

Natural bimodal high density polyethylene copolymer resin designed for small and large telecom conduit

Control Properties:

Feature	Method	Units	Braskem	Dow
Melt Flow Rate (190°C/2.16kg)	ASTM D1238	g/10 min	0.35	0.28
Density	ASTM D792	g/cm ³	0.953	0.954

Typical Properties:

Feature	Method	Units	Braskem	Dow
Tensile Strength at Yield	ASTM D638	MPa	26	22.8
Tensile Strength at Break	ASTM D638	MPa	38	31.7
Strain at Break	ASTM D638	%	665	750
Flexural Modulus (Secant 1%)	ASTM D790	MPa	1275	1000

Conduit Dimensions: (all dimensions in inches)

Conduit Size	OD	OD Tolerance (+/-)	Wall Thickness	Wall Thickness Tolerance (+)	Max Wall Thickness
0.75" SDR 11	1.050	0.005	0.095	0.020	0.115
1.0" SDR 11	1.315	0.007	0.120	0.020	0.140
1.25" SDR 11	1.660	0.008	0.151	0.020	0.171
1.5" SDR 11	1.900	0.010	0.173	0.021	0.194
2" SDR 11	2.375	0.012	0.216	0.026	0.242
0.75" SDR 13.5	1.050	0.005	0.078	0.020	0.098
1.0" SDR 13.5	1.315	0.007	0.097	0.020	0.117
1.25" SDR 13.5	1.660	0.008	0.123	0.020	0.143
1.5" SDR 13.5	1.900	0.010	0.141	0.020	0.161
2" SDR 13.5	2.375	0.012	0.176	0.020	0.196

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