

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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