

# Blue Diamond EPA CPG and LEED Qualified HDPE Conduit Specifications

**MATERIAL**

1 ¼", 1 ½", 2", 2 ½", 3" DIAMETER

AVAILABLE IN SDR 13.5, SDR 11,  
SIDR 11.5,  
SCHEDULE 40 AND SCHEDULE 80

**SPECIFICATIONS**

**ASTM F2160:** STANDARD SPECIFICATION FOR SOLID WALL HDPE CONDUIT BASED ON CONTROLLED OUTSIDE DIAMETER

**ASTM D 2239:** STD. SPEC FOR PE PLASTIC PIPE (SIDR-PR) BASED ON CONTROLLED INSIDE DIAMETER

**ASTM D 2447:** STD. SPEC FOR PE PLASTIC PIPE, SCHEDULES 40 AND 80 BASED ON OUTSIDE DIAMETER

**ASTM D3350 ( CELL CLASSIFICATION 334420C\*)** STANDARD SPECIFICATION FOR PE PLASTIC PIPE AND FITTINGS MATERIALS-RESINS EXCEEDING THE ABOVE CELL CLASS IN ONE OR MORE PROPERTIES IS ACCEPTABLE

*MINIMUM 75% RECYCLED POST CONSUMER AND POST INDUSTRIAL RESINS*

<b>Typical Properties</b>		
<u>Property</u>	<u>Test Procedures</u>	<u>Units**</u>
Density (3)	ASTM D1505	0.941 - 0.955 gm/cc
Melt Index (3)	ASTM D1238	<.40 to 0.15 gm/10 min
Flexural Modulus(4)	ASTM D790	110,000 -160,000 psi
Tensile Strength (Yield)(4)	ASTM D638	3500 - 4000 psi
Environmental Stress Crack Resistance (ESCR)(2)	ASTM D1693	24 hrs
HDB @ 73.4oF (0)*	ASTM D2837	----
UV Stabilizer (C or E)	ASTM D1603	>2%
Ultimate Elongation	ASTM D638	>400%

\* Not pressure rated - Consult ASTM D3350 for specific values



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