



Pipeworkz LLC  
 6950 Highway D  
 Bates City, MO 64011  
 816-355-0280

## PIPE SPECIFICATION 1.00" SDR 11

PIPEWORKZ CONDUIT IS MANUFACTURED FROM HIGH DENSITY POLYETHYLENE COMPOUNDS THAT MEET OR EXCEED ASTM D-3350 REQUIREMENTS AND CELL CLASSIFICATION PE435540A. ALL MATERIALS SOURCED IN THE USA.

RAW MATERIAL OVERVIEW		
ASTM TEST	DESCRIPTION	VALUES
D-1238	MELT INDEX, g/10 MIN COND E	0.05-0.50
D-1238	HIGH LOAD MELT INDEX g/10 MIN	6-26G/10 MIN
D-1505	DENSITY g/CM3	0.941-0.955
D-1693	ENVIRONMENTAL STRESS CRACK RESISTANCE COND B F 20	96 MIN
D-1822	TENSILE IMPACT	277 FT-LB/IN
D-3350	CELL CLASSIFICATION	PE435540A
D-3350	THERMAL STABILITY	>428F (>220C)
D-638	TENSILE STRENGTH AT YIELD (PSI)	3000 MIN
D-638	TENSILE ELONGATION	>600%
D-696	THERMAL EXPANSION COEFFICIENT	9 X 10-5 IN/IN/F
D-746	BRITTLINESS TEMP	C-75
D-790	FLEXURAL MODULUS, MPA (PSI)	80,000 MIN

SMOOTH WALL TECHNICAL SPECIFICATIONS				
PIPE SIZE	NOM OD (IN)	OD TOLERANCE +/-	BEND RADIUS SUPPORTED	BEND RADIUS UNSUPPORTED
1.00	1.315	0.007	13	26

PIPE SIZE 1.00" DIAMETER						
SDR	MIN WALL (IN)	WALL TOLERANCE	AV ID (IN)	MIN ID (IN)	WEIGHT (#/FT)	SWPS (LBS)
11	0.120	0.020	1.055	1.035	0.199	1,078