

Single layer PE PIPE

Single layer polyethylene pipes, are pipes which are produced in an extrusion process for gas and water supply applications. Saadat Tawan Baspar Company produces single layer polyethylene pipes in a wide range of SDR.

4th Alley, Dowran Blvd, Hemmat Square, Shokouhieh Industrial Park, Qom, IRAN (Islamic Republic Of) | Postal Code: 3738117691

www.saadatholding.com | office@saadatholding.com

☎ 0098 25 36136



SAADAT TAWAN BASPAR



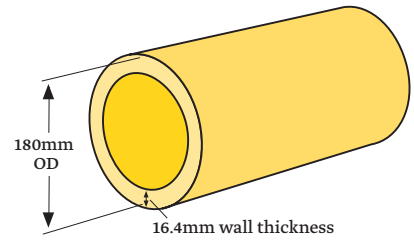
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Standard Dimensional Ratio (SDR)

One of the basic features of every single layer polyethylene pipe is Standard Dimensional Ratio. Standard Dimensional Ratio can be presented as following equation:

$$SDR = \frac{\text{nominal (minimum) outside diameter}}{\text{minimum wall thickness}}$$

Example: $SDR = \frac{180}{16.4} = 11$

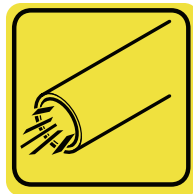


Saadat Tawan Baspar Company is able to produce single layer polyethylene pipes with diameters from 20 millimeters to 315 millimeter.

Single layer polyethylene pipes' applications



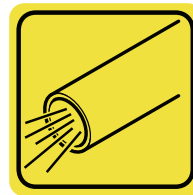
Drinking water



Gas



Rainwater

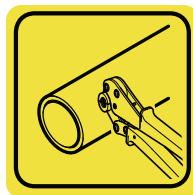


Compressed air

Single layer polyethylene pipes' features



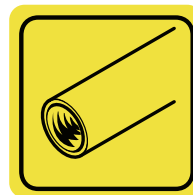
Resistant to temperature and pressure



Lightweight



Long life



Resistant to corrosion

Single Layer Polyethylene Pipe List

Nominal Diameter (mm)	Standard Dimensional Ratio SDR		
	13.6	17	21
20	13.6	17	—
25	13.6	17	—
32	13.6	17	—
40	13.6	17	21
50	13.6	17	21
63	13.6	17	21
75	13.6	17	21
90	13.6	17	21
110	13.6	17	21
160	17	21	27.6
200	17	21	27.6
225	17	21	27.6
250	17	21	27.6
280	17	21	27.6
315	17	21	27.6

Polyethylene pipes that are produced with similar wall thickness and/or similar materials can be jointed to each other with electrofusion or butt fusion. While if these pipes are produced with dissimilar materials and dissimilar wall thickness, they can only be jointed by electrofusion method.

