



D2513 for Gas Transmission

United Poly System D2513 HDPE pipe is used for pressure applications in the oil and gas industry. It is manufactured in IPS and DIPS (4 in. and up) sizes and meets or exceeds ASTM Standard D3350 requirements for polyethylene pressure pipe. The product is manufactured with a yellow print line for identification.

- Flexible
- Low cost
- Extremely durable
- Manufactured in long runs for point-to-point installation

D2513 is part of United Poly System's Stream-Line suite for applications in the oil and gas industry. The flexibility and light weight of HDPE make it easy to deliver, install and customize at the wellsite and allow oil and gas lines to be deployed where necessary. The fusion-joint properties of HDPE mean that the joint is stronger than the pipe itself.

HDPE enjoys more than 95% market share of the natural gas market. The light weight, flexibility and easy installation make it ideal for natural gas transmission for cities and municipalities, well site applications and cross-country transmission lines.





United Poly Systems offers HDPE coil and reel options in multiple lengths to easily facilitate shipping and installation of long lengths of pipe. This is ideal for oil and gas installations and handling of materials on site.

PE4710 Typical Physical Properties

Property	Typical Value	Units	Test Method
Density with minimum 2% carbon black	0.960	g/cc	ASTM D 792 or 1505
High Load Melt Index	8.5	g/10 minutes	ASTM D 1238
Melt Index	0.08	g/10 minutes	ASTM D 1238
Flexural Modulus	110,000<160,000	psi	ASTM D 790
Tensile Strength @ yield (2 in./min)	3600	psi	ASTM D 638
Tensile Elongation @ Break	740%	%	ASTM D 638
Thermal expansion	1.0 x 10 ⁻⁴	in. /in. / °F	ASTM D 696
HDB 73.4°F (23°C)	1600	psi	ASTM D 2837
HDB 140°F (60°C)	1000	psi	ASTM D 2837
PENT	> 500	hr	ASTM F1473
Brittleness Temperature	<-103°F (-75°C)	°F	ASTM D 746
Cell Classification	445574C (black only)		ASTM D 3350

These are nominal values and used as guidelines only.

This is not a product specification and does not indicate minimum or maximum operating values.