

PE3608 vs. PE4710

	PE3608 [INEOS K44-XX]	PE4710 [INEOS TUB121]
Piping Applications Potable water piping Irrigation Mining Geothermal Natural Gas Distribution	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓
Stiffness vs. Flexibility	Higher flexibility (better for coiling)	Higher stiffness
Resistance to Slow Crack Growth (SCG)	Good (PENT >100 hrs)	Outstanding (PENT >10,000 hrs ¹)
Pressure Rating² (SDR-11, >½" dia.)	160 psi	200 psi
Wall Thickness (SDR for 160 psig rating ²)	11	13.5 ³ (~18% weight reduction)
Processing (Pipe Extrusion)	Good across broad equipment range. Higher rates possible with K44-15-122.	Excellent grooved feed extruders. Potentially lower rates with smooth bore.

1. Minimum requirement for PE4710 is 500 hours
2. For water pipe at 73°F.
3. For sizes greater than ½". Wall thickness reduction restricted in tubing sizes below ½"

INEOS PE3608 Grades:

- K44-06-122** Natural for large diameter pressure piping*
- K44-08-122** Natural for pressure piping over a broad size range*
- K44-15-122** Natural for smaller diameter pressure piping*

INEOS PE4710 Grades:

- TUB 121N** Natural PE 4710 bimodal resin for high performance piping
- TUB121** Black PE4710/PE100 bimodal compound for molded fittings and ISO 4437/4427 PE100 piping
- TUB121NTW** Natural PE4710 bimodal resin for large diameter piping

*when blended with an approved concentrate

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