

PolyPipe[®]

High Performance PE 2708



*Always better,
Always faster,
Always smarter.*

High Performance PE 2708

PolyPipe® Inc. offers High Performance PE 2708 manufactured from Dow® Continuum™ DGDA 2420 bimodal resin. This resin exceeds the cell classification requirements for ASTM PE 2708 and ISO PE 80 materials. High Performance PE 2708 offers outstanding resistance to slow crack growth (SCG) and rapid crack propagation (RCP).

PolyPipe® Inc. GDY20 High Performance bimodal PE 2708 has outstanding strength and durability and can provide longer pipeline service and enhanced pipeline integrity.



SCG	RCP (T _c)	RCP (P _c)	Elevated Temp.
>15,000 hrs of PENT	-2°C (28°F)	>10 bar (145 psig)	1,000 psi at 140°C (60°F)

Request PolyPipe® GDY20 High Performance PE 2708 for demanding applications where outstanding pipe properties are important – large diameter, higher pressure, lower ground temperature.

The following table shows the comparison of critical pressure and critical temperature values for the new PolyPipe® High Performance PE 2708 and typical unimodal pipe resins as determined on 12" IPS SDR 11 pipes.

PE Material	S4 Critical Pressure (P _{C,S4}) at 32°F (0°C)	Full Scale Critical Pressure (P _{C,FS}) @ 0°C	Critical Temperature (T _C) at 5 bar (75 psig)
Unimodal MDPE	1 bar (15 psig)	6.2 bar (90 psig)	15°C (60°F)
Bimodal MDPE	10 bar (145 psig)	38.6 bar (560 psig)	-2°C (28°F)