



OMNI INDUSTRIES LTD.

Manufacturer of **Thermoplastic** Products

STANDARD SPECIFICATION HDPE CORRUGATED STORM DRAIN PIPE

SCOPE

This fact sheet describes 4" through 60" HDPE corrugated storm pipe and fittings for use in gravity flow drainage.

PIPE

HDPE corrugated storm pipe is a product with exceptional strength, water-tightness security and advance technology.

- Dual wall - Corrugated exterior with reinforced double-arch corrugations and smooth interior liner.
- Dual layer co-extruded integrated bell.
- Manning's n value for use in design shall be 0.010

APPLICATIONS

Agriculture	Storm Drainage	Waste management/Landfills
Railroads	Retention/Detention	Industrial and Mining
Airports	Road and Highway	Golf and recreation

STANDARDS

Pipe and Fittings: ASTM F2648, ASTM F2306, AASHTO M252/M294

Pipe compound: 435420 C/E ASTM D3350

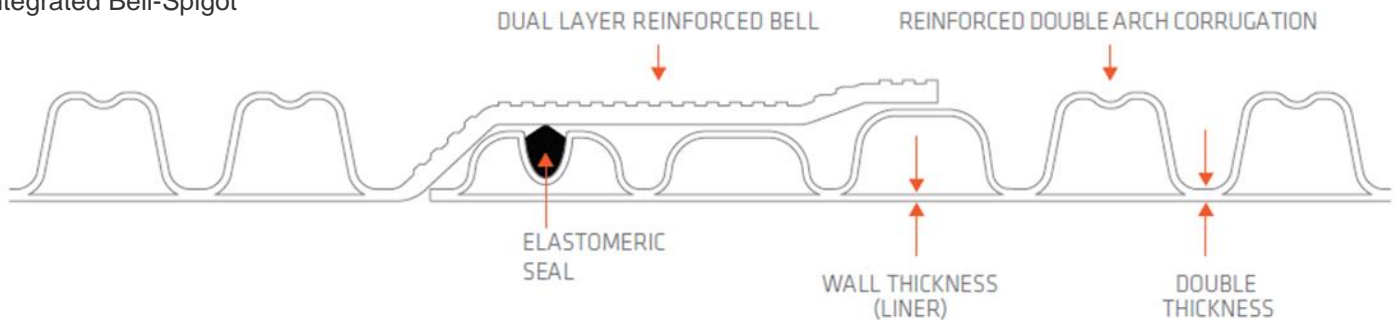
Installation: ASTM D2321

JOINTS & SEALS

100% Watertight joint ASTM D3212

Elastomeric seal ASTM F477

Integrated Bell-Spigot



Nominal ID	Typical Internal Diameter		Min. Wall Thickness		Min. Pipe Stiffness @ 5% Deflection	
	in	mm	in	mm	psi	kPa
4" (100mm)	4.09	104	0.02	0.60	50	345
6" (150mm)	6.02	153	0.04	1.00	50	345
8" (200mm)	8.00	203	0.04	1.10	50	345
10" (250mm)	10.04	255	0.06	1.50	50	345
12" (300mm)	12.28	312	0.07	1.70	50	345
15" (375mm)	15.04	382	0.08	2.00	42	290
18" (450mm)	18.11	460	0.09	2.20	40	275
24" (600mm)	24.25	616	0.10	2.50	34	235
30" (750mm)	30.04	763	0.10	2.50	29	200
36" (900mm)	36.02	915	0.12	3.00	22	155
42" (1050mm)	42.05	1068	0.13	3.20	21	145
48" (1200mm)	48.74	1238	0.14	3.50	20	135
60" (1500mm)	60.04	1525	0.16	4.00	15	105