

SUBMITTAL SHEET

JOB NAME	ITEM TAG
JOB LOCATION	PART NUMBER
CONTRACTOR	DATE
ENGINEER APPROVAL	DATE

HYPERFLEX®

Oxygen Barrier PE-RT Tubing

Manufactured from a proprietary resin, which dramatically increases flexibility, while maintaining high strength and durability.

Designed for radiant heating and cooling, geothermal, and snow and ice melt systems.

5-Layer internally-extruded EVOH oxygen barrier reduces oxygen molecule permeation into the water, virtually eliminating corrosion within the system.

HyperFlex is compatible with all of the most common types of fitting systems found on market to include crimp, cinch, cold expansion, press, push and fusion fittings.

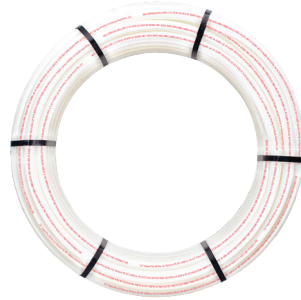
Numerical foot markings permit circuit loop calculations, preventing excess circuit loop lengths.

Available in nominal tubing sizes SDR-9 - CTS pipe sizes. 1/2" to 1"

Backed by a 30-year warranty.

Specifications:

Rated Pressure & Temperature
160 PSI @ 73°F
100 PSI @ 180°F



Pictured:
HyperFlex Coil



Pictured:
HyperFlex Stick

MATERIAL SPECIFICATION		
PART	MATERIAL	Specification
PE-RT Tubing	Extruded Polyethylene of Raised Temperature with ethylene vinyl alcohol (EVOH) internal layer - 5-Layer process	ASTM F2623

PROPERTIES	
PROPERTY	VALUE
Thermal Conductivity	0.22 Btu ft/h ft ² F
Coefficient of Linear Expansion	1.1 in. per 100 ft. per 10 F
Oxygen Permeation	< 0.1 grams/m ³ /day
Bend Radius	< 5x tubing outside diameter

DIMENSIONS							
Nominal Tubing Size	OD*	Average Wall Thickness	Available Coil Lengths	20 ft. Stick	Bend Diameter	Weight (per 100 ft.)	Capacity (Gal per 100 ft.)
1/2"	0.625"	0.070"	300', 500', and 1000'	Yes	6.25"	5.5	0.92
5/8"	0.75"	0.083"	300', 400', and 1000'	Yes	7.50"	8.2	1.38
3/4"	0.875"	0.097"	100', 300', 500', and 1000'	Yes	8.75"	10.5	1.82
1"	1.125"	0.125"	100' and 500'	Yes	11.35"	17.3	3.04

Certifications/Listings:

Third-party certified.

ANSI/NSF14: Plastic piping system components and related materials. (rfh-listing / Not for potable water)

ASTM F2623: Standard specification for polyethylene of raised temperature (PE-RT) systems for non-potable water applications.

Standards:

ASTM F1807, F2080, F2159, F3347/3348, F1960 and ASSE 1061 - Fitting Standards.

CSA B214-16: Installation code for hydronic heating systems.