

AQUAPERT PLUMBING TUBING

Potable PE-RT for Domestic Plumbing
DOW™ 2399 PE-RT Resin





AQUA PE-RT is the sustainable choice
when it comes to plumbing pipe for
industry professionals

AQUA PE-RT FEATURES AND BENEFITS

- ➔ Lifetime Limited Warranty
- ➔ 100% Recyclable
- ➔ Resistant to corrosion and aggressive chemicals
- ➔ Ease of installation
- ➔ Durable and leak-free
- ➔ Virtually maintenance free
- ➔ Lightweight
- ➔ Level 5 chlorine rating
- ➔ Excellent hydrostatic strength
- ➔ Meets PEX tubing performance requirements

SDR-9 Pressure Ratings for Water

200 PSI at 73°F

100 PSI at 180°F

Aqua PE-RT tubing is extruded from DOW-M Hypertherm 2399 Resin offering industry professionals the flexibility to install plumbing systems designed to reduce water consumption and hot water energy use.

Environmentally-friendly
products that produce,
distribute and store
energy for the finest homes.



HYPERTHERM™ 2399 NT - High Density Polyethylene Resin

HYPERTHERM™ 2399 NT BIMODAL POLYETHYLENE Resin is a polyethylene resin with raised temperature capability produced by The DOW Chemical Company using UNIPOL II process technology. This product is intended for use in piping systems where high temperatures and aggressive oxidation conditions exist. Suitable applications include hot and cold potable water.

Pipe made with PE-RT resins can be joined with traditional mechanical fittings, but can also be heat fused, offering installation flexibility. In addition, PE-RT offers an excellent sustainability profile as well as taste and odor characteristics that installers can promote to their customers.

PE-RT pipe offers improved taste and odor properties for great tasting water and a leak-free, low maintenance system for peace of mind. PE-RT pipe also offers a long life expectancy and is recyclable.

INDUSTRIAL STANDARDS COMPLIANCE

ASTM D 3350: cell classification PE445574A

Plastics Pipe Institute (PPI): TR-4

- Natural Pipe - HYPERTHERM 2399 NT BIMODAL POLYETHYLENE Resin
 - ASTM PE4710 pipe grade - 1600psi HDB @ 23°C
 - ASTM PE4710 pipe grade - 800psi HDB @ 82.6°C

NSF International

- Natural Pipe - HYPERTHERM 2399 NT BIMODAL POLYETHYLENE Resin
 - Standard 14 and 61

Meets requirement of

- ASTM F2769, F2623, & F1281

Additive: Antiblock: No Slip: No Processing Aid: No

JOINING

- May be joined using insert fittings and clamps certified to ASTM F1807 & F2159
- Manufacturer approved for ASTM F2080 cold expansion fittings only
- Heat fusion technology can be used for increased installation flexibility

SUSTAINABILITY

- PE-RT pipe uses less energy during production than other pipe manufacturing processes, as it requires no post curing and less overall handling of the product.
- Monolithic PE-RT pipe can be recycled. Regrind material can be placed back into the production stream, and finished pipe can be mechanically recycled or used as an alternative energy source.
- PE-RT pipe systems are leak-free and offer a long life expectancy.
- The Level 5 chlorine resistance rating for DOW™ 2399 PE-RT Resin allows system designs that reduce water consumption and hot water energy usage.

CERTIFICATIONS

- DOW™ Hypertherm 2399 PE-RT Resin
- Certified Level 5 chlorine resistant (ASTM F2769, F2023)
- Meets NSF/ANSI Standard 14
- Complies with NSF/ANSI 61 Health effect requirements when tested at temperatures up to and including 180°F
- Listed by NSF to conform to the latest edition of the Uniform Plumbing Code™

Tube	O.D.	WALL	I.D.	LB/FT	Water Content (gal/ft.)	Sizes Offered
1/2"	.625	.070	.475	.054	.0092	100', 300', 500', 1000', 20' sticks
3/4"	.875	.097	.671	.103	.0184	100', 300', 500', 20' sticks
1"	1.125	.125	.863	.167	.0304	100', 300', 500', 20' sticks
1-1/4"	1.375	.153	1.054	.250	.0453	100', 20' sticks
1-1/2"	1.625	.181	1.244	.350	.0631	100', 20' sticks
2"	2.125	.236	1.629	.597	.1082	100', 20' sticks



Generation
> Solar

Storage
> Septic
> Cistern
> Rainwater Collection
> Oil Storage Tanks

Distribution
> Radiant Floor Heating
> Plumbing Systems

Roth AQUAPERT Plumbing Offering

*for additional sizes and custom orders, contact Roth

Part #	Description
2342155005	TUBING AQUAPERT 1/2" x 100' (White)
2342155009	TUBING AQUAPERT 1/2" x 300' (White)
2342155013	TUBING AQUAPERT 1/2" x 500' (White)
2342155017	TUBING AQUAPERT 1/2" x 1000' (White)
2342155021	TUBING AQUAPERT 1/2" x 20' (white) 25/pkg
2342225025	TUBING AQUAPERT 3/4" x 100' (White)
2342225029	TUBING AQUAPERT 3/4" x 300' (White)
2342225033	TUBING AQUAPERT 3/4" x 500' (White)
2342225037	TUBING AQUAPERT 3/4" x 20' (white) 20/pkg
2342285041	TUBING AQUAPERT 1" x 100' (White)
2342285045	TUBING AQUAPERT 1" x 300' (White)
2342285049	TUBING AQUAPERT 1" x 500' (White)
2342285053	TUBING AQUAPERT 1" x 20' (white) 15/pkg
2342355057	TUBING AQUAPERT 1 1/4" x 100' (White)
2342355061	TUBING AQUAPERT 1 1/4" x 20' (white) 10/pkg
2342395065	TUBING AQUAPERT 1 1/2" x 100' (White)
2342395069	TUBING AQUAPERT 1 1/2" x 20' (white) 10/pkg
2312415073	TUBING AQUAPERT 2" x 100' (White)
2342415077	TUBING AQUAPERT 2" x 20' (white) 5/pkg

Part#	Description
2342154005	TUBING AQUAPERT 1/2" x 100' (Blue)
2342154009	TUBING AQUAPERT 1/2" x 300' (Blue)
2342154013	TUBING AQUAPERT 1/2" x 500' (Blue)
2342154017	TUBING AQUAPERT 1/2" x 1000' (Blue)
2342154021	TUBING AQUAPERT 1/2" x 20' (Blue) 25/pkg
2342224025	TUBING AQUAPERT 3/4" x 100' (Blue)
2342224029	TUBING AQUAPERT 3/4" x 300' (Blue)
2342224033	TUBING AQUAPERT 3/4" x 500' (Blue)
2342224037	TUBING AQUAPERT 3/4" x 20' (Blue) 20/pkg
2342284041	TUBING AQUAPERT 1" x 100' (Blue)
2342284045	TUBING AQUAPERT 1" x 300' (Blue)
2342284049	TUBING AQUAPERT 1" x 500' (Blue)
2342284053	TUBING AQUAPERT 1" x 20' (Blue) 15/pkg

Part#	Description
2342153005	TUBING AQUAPERT 1/2" x 100' (Red)
2342153009	TUBING AQUAPERT 1/2" x 300' (Red)
2342153013	TUBING AQUAPERT 1/2" x 500' (Red)
2342153017	TUBING AQUAPERT 1/2" x 1000' (Red)
2342153021	TUBING AQUAPERT 1/2" x 20' (Red) 25/pkg
2342223025	TUBING AQUAPERT 3/4" x 100' (Red)
2342223029	TUBING AQUAPERT 3/4" x 300' (Red)
2342223033	TUBING AQUAPERT 3/4" x 500' (Red)
2342223037	TUBING AQUAPERT 3/4" x 20' (Red) 20/pkg
2342283041	TUBING AQUAPERT 1" x 100' (Red)
2342283045	TUBING AQUAPERT 1" x 300' (Red)
2342283049	TUBING AQUAPERT 1" x 500' (Red)
2342283053	TUBING AQUAPERT 1" x 20' (Red) 15/pkg



Roth Industries, Inc.
Roth North America Corporate Office
PO Box 245
Syracuse, NY 13211
P: 888.266.7684
F: 315-475-0200
www.roth-usa.com

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