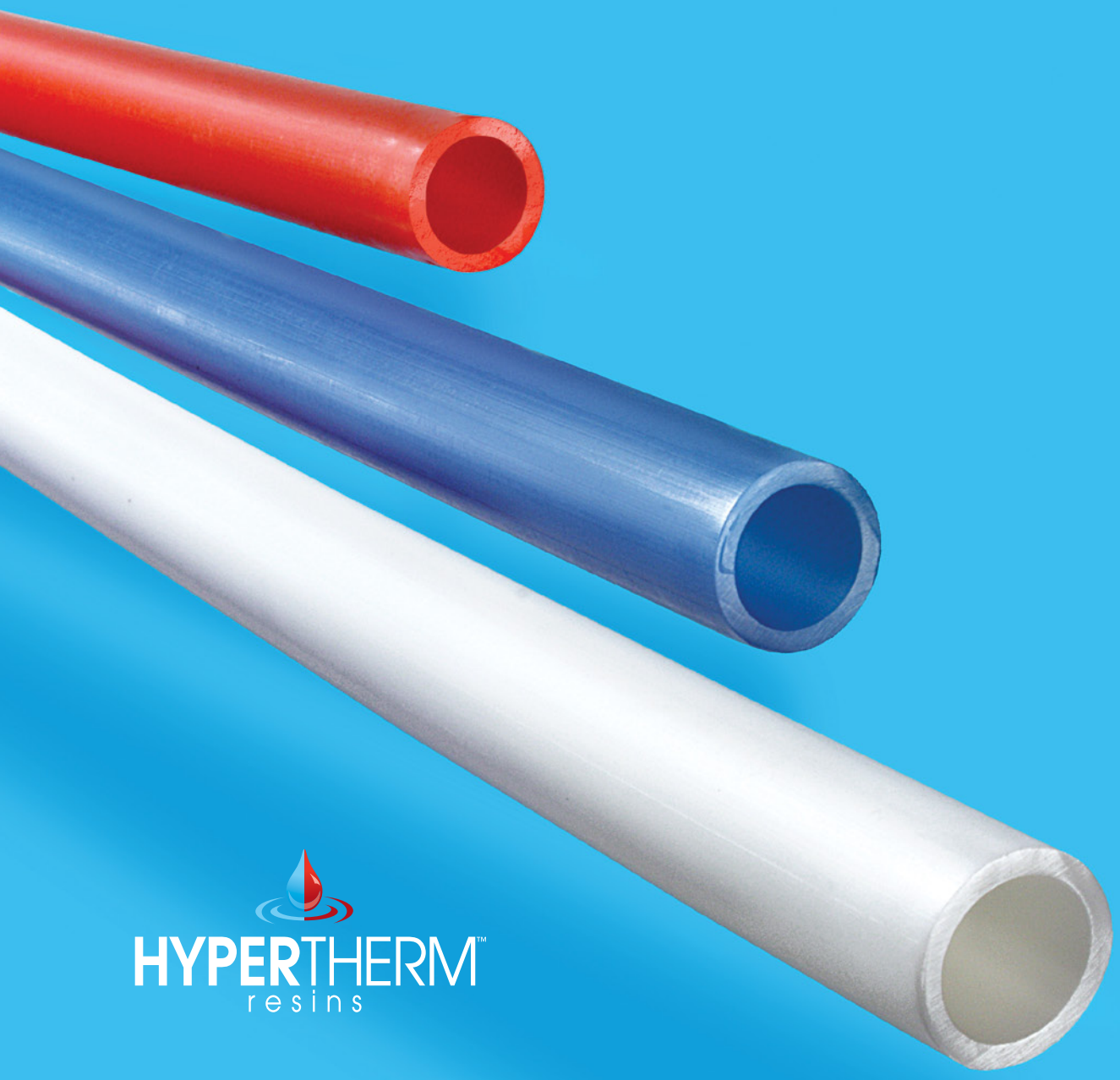
Expanding Possibilities in PE-RT Pipe



HYPERTHERM™ resins

HYPERTHERM™ 2399 NT Resin

For Hot and Cold Water Plumbing Pipe

HYPERTHERM™ 2399 NT Resin is a certified Level 5 chlorine resistant material (ASTM F2769, F2023) for use in domestic plumbing pipe. From processing efficiencies to improved organoleptics, HYPERTHERM 2399 NT Resin offers differentiated advantages for hot and cold water pipe producers, contractors, and consumers.

Complete Performance in Plumbing Pipe

Pipe made with HYPERTHERM Resin offers several distinct advantages over other commonly used plumbing materials like copper and steel:

- Resistance to corrosion and aggressive chemicals
- Ease of installation
- Durable and leak-free
- Little or no maintenance required
- Light weight
- Reduced risk of theft (compared to copper)

For manufacturers: HYPERTHERM Resin runs on the same extrusion lines as PEX (Cross-linked Polyethylene) B and C, with minimal tooling changes required. Most importantly, manufacturers can gain key efficiencies using HYPERTHERM Resin.

Monolithic HYPERTHERM™ pipe can be recycled back into the production stream, and finished HYPERTHERM pipe is ready for packaging directly off the line, eliminating time and energy used in post extrusion curing, lengthy quality control measures, and off line packaging.

For plumbers/installers: Pipe made with HYPERTHERM Resin can be joined with traditional mechanical fittings, but can also be heat fused, offering installation flexibility. In addition, HYPERTHERM offers an excellent sustainability profile as well as taste and odor characteristics that installers can promote to their customers.

For end users: HYPERTHERM pipe offers improved taste and odor properties for great tasting water and a leak-free, low maintenance system for peace of mind. HYPERTHERM™ pipe also offers a long life expectancy and is recyclable, as described on the next page.

The 2399 Difference

The patented technology of HYPERTHERM™ 2399 NT Resin for hot and cold water plumbing pipe offers all of the exceptional benefits of traditional PE-RT (Polyethylene of Raised Temperature) products, as well as key differentiated performance attributes:

- Level 5 chlorine resistance certified
- Excellent hydrostatic strength (see Figure 1)
- Meets the same performance requirements as PEX resins

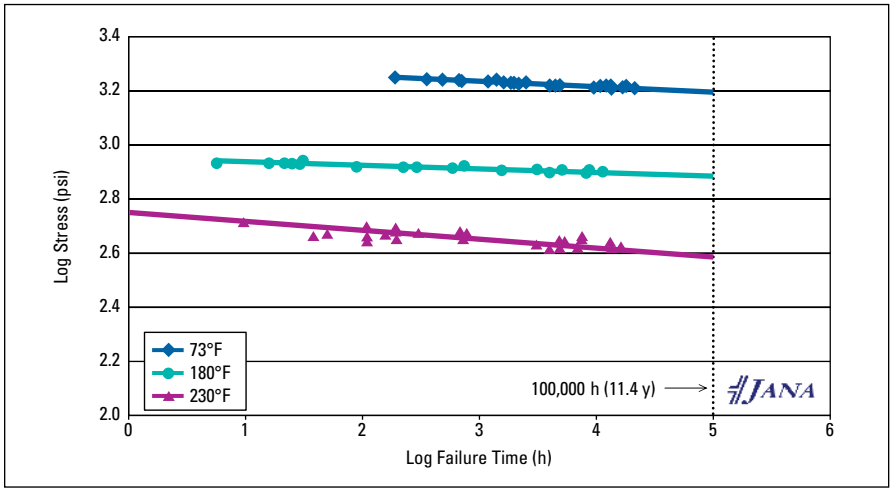
By achieving Level 5 status, pipe made with HYPERTHERM 2399 NT Resin offers contractors and homeowners the flexibility to install plumbing systems such as continuous circulation loops and on-demand recirculation – both designed to reduce water consumption and hot water energy use.

Constant Innovation and Customer Focus

Every day, Dow's pipe resin experience is at work – answering customers' toughest questions, collaborating on the next innovation in pipe performance, or using the Dow Pipe Technology Center in Freeport, Texas, to test and evaluate resins on our own pipe extrusion lines. So, when you buy resins from Dow, you're getting some of the most innovative materials in the pipe industry as well as the confidence and support you would expect from a world leader in material science and technology.

For more information on HYPERTHERM™ 2399 NT Resin, visit www.dowplastics.com or call 1-800-441-4369.

Figure 1: Hydrostatic Test Data of HYPERTHERM™ 2399 NT Resin (Meets Requirements of ASTM F2769)



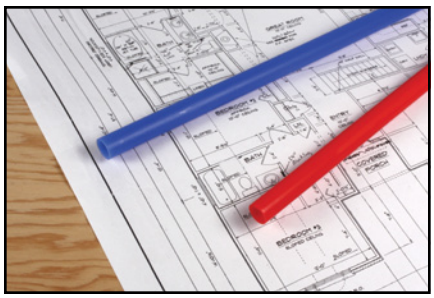
Source: Jana Laboratories Inc.

The Sustainable Choice

PE-RT resins from Dow, including HYPERTHERM™ 2399 NT Resin, offer attributes that contribute to a very favorable sustainability profile for hot and cold water plumbing pipe:

- HYPERTHERM 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 HYPERTHERM pipe can be recycled. In-house recycled material can be placed back into the production stream, and finished pipe can be mechanically recycled or used as an alternative energy source.
- HYPERTHERM pipe systems are leak-free and offer a long life expectancy.
- The Level 5 chlorine resistance rating for HYPERTHERM 2399 NT Resin allows system designs that reduce water consumption and hot water energy usage.

HYPERTHERM™ resins



For more information on products, innovations, expertise, and other services available to you from Dow's Performance Plastics business group, visit www.dowplastics.com or contact us as indicated below.

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Published September, 2012. Printed in U.S.A.

Form No. 003-19301-0912 SMG
SMG 12310