PLASTIC MATERIALS CERTIFICATION

With over a half century of proven expertise, NSF International is the plastic industry's leading testing and certification organization for certifying diverse types of plastic materials for a variety of end uses for potable water, gas, drainage, geothermal, radiant heating and many more applications.

WHAT TYPE OF MATERIALS DO WE CERTIFY?

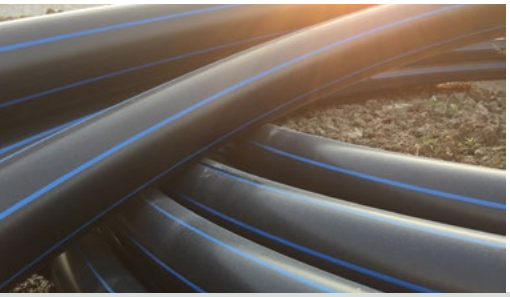
- **Pipe, fitting and valve end use:** PVC, CPVC, PE, PE-RT, PEX, ABS, PPSU, brass, copper and rubber gasket material
- **Specialty materials:** Nylon, PUR, PS, PPE, POM, PET and FPVC
- **Food contact end use**: PE, PVDF, PVC, PP, coatings, acetal, POM, silicone and nylon

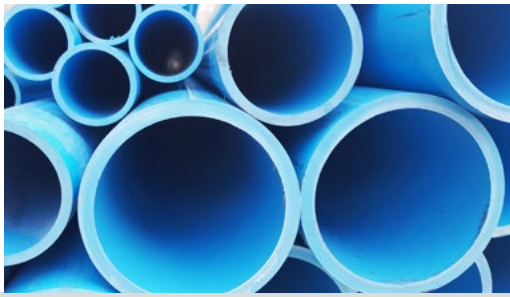
WHAT STANDARDS DO WE CERTIFY TO?

NSF/ANSI 14: Plastics Piping System Components and Related Materials: This standard establishes minimum physical, performance and health effects requirements for plastics piping system components and related materials. The physical, performance and health effects requirements of NSF/ANSI 14 also apply to resin or blended plastic compounds used to manufacture plastic piping system components.

NSF/ANSI 61: Drinking Water System Components - Health Effects: This standard establishes minimum health effects requirements for chemical contaminants and impurities that are directly imparted to drinking water from products, components and materials used in drinking water systems.

NSF/ANSI 51: Food Equipment Materials: This standard establishes minimum public health and sanitation requirements for materials and finishes used in the manufacture of commercial foodservice equipment (such as broilers, beverage dispensers, cutting boards and stock pots) and its components (such as tubing, sealants, gaskets and valves).





HOW DO WE TEST AND EVALUATE RESIN AND MATERIALS?

- Long-term hydrostatic strength (HDB or MRS)
- Oxidative resistance (chlorine, chloramine and other chemicals)
- Rapid crack propagation (RCP)
- Physical properties (cell class) according to product standards
- Chemical extraction to show compliance with health effects criteria of NSF/ANSI 61
- Verification of the compliance with NSF/ANSI 51, covering FDA requirements for food zone materials

WHY CHOOSE NSF TO CERTIFY PLASTICS RESINS AND MATERIALS?

> Quick access for North American and international markets

> Ease of acceptance with product producers who look for NSF certified plastic material to reduce time and cost in certification

> Use of the internationally recognized NSF mark

> State-of-the-art laboratory testing

> Unmatched technical expertise

> Dedicated, highly trained account managers who focus on your product certification

> Online project tracking, allowing 24/7 visibility of your project status

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