# TDRLINK PRO®

POLYPROPYLENE FABRICATED FITTINGS

TDRPIPE

TDR LINK PRO® is a comprehensive line of polypropylene (PP) fabricated fittings that integrates custom-made and tandard fittings with a complete range of accessories to transform pipes into fully functional water management systems. It provides a versatile, e cient, and easy-to-install solution for all water management infrastructure projects.

## SCOPE

This specification establishes the requirements for 4 inches through 60 inches TDR LINK PRO® polypropylene (PP) fabricated fittings for use in gravity-flow drainage applications.

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## PRODUCT REQUIREMENTS

TDR LINK PRO® fittings are engineered with elastomeric gaskets compatible with TDR® PRO® polypropylene pipe, ensuring watertight joint integrity. All joints shall be hermetically sealed with integrated or welded bell-and-spigot designs.

Bell-and-spigot connections shall utilize gaskets meeting the watertight performance requirements of ASTM D3212. Gasket designs include:

- Valley-integrated gaskets
- Inline gasket configurations
- Welded or integral bell designs

Only TDR® PRO®-manufactured fittings and joining systems shall be used with TDR® PRO® pipe to ensure optimal system performance and joint integrity.

TDR® PRO® fittings are approved for use with the following applications:

- Gravity-flow drainage systems (stormwater, sanitary, combined)
- Industrial process fluids and effluents
- Slurries and municipal sewage transport
- Water service lines and distribution systems
- Hydronic heating systems
- Irrigation systems

4 inches through 60 inches TDR LINK PRO® fittings shall comply with:

- ASTM F2881 – Polypropylene (PP) Plastic Corrugated Wall Drainage Pipe and Fittings
- AASHTO M330 – Standard Specification for Corrugated Polypropylene (PP) Pipe

All fittings shall have a smooth interior wall profile and annular exterior corrugations matching the TDR® PRO® pipe profile.

## MATERIALS

All polypropylene compounds utilized in the production of TDR LINK PRO® shall comply with the specifications outlined in:

- ASTM F2881, Section 6
- AASHTO M330, Section 6.1

Additionally, any colored polypropylene compounds include UV stabilizers to prevent degradation from UV exposure.
All polypropylene compounds shall be virgin material meeting rigorous quality standards for durability in gravity-flow drainage applications.

## JOINT PERFORMANCE

TDR LINK PRO® fittings shall be joined using a watertight dual-wall integrated bell-and-spigot joint design meeting the requirements of:

- ASTM F2881
- AASHTO M330

Joint assembly shall follow these requirements:

- Elastomeric gaskets shall meet ASTM F477 specifications
- Water-based joint lubricants (TDR®-supplied or equivalent) shall be used during the joint assembly
- Refer to TDR® Installation Guideline for more details

## INSTALLATION

Pipe and fittings shall be installed in accordance with TDR's published Installation Guideline to ensure the best performance. Maximum cover height depends on materials used for embedment and haunching.

## AVAILABLE FITTINGS

TDR LINK PRO® offers a comprehensive range of custom-fabricated polypropylene (PP) fittings, including:

Directional Fittings

- Bends: 22.5°, 30°, 45°, 90° for changing flow direction

Branch Fittings

- Standard and reducing wyes: 45°, 60° branch angles
- Standard, reducing, and cross tees for lateral connections

In-Line Fittings

- Reducers: eccentric and concentric for diameter transitions
- Couplings: various configurations for in-line connections
- End caps: for line termination

Custom configurations available upon request. Consult TDR® for project-specific fitting requirements and engineering support.