

## Tech Data

# Viega GeoFusion® Fittings



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Viega products are designed to be installed by licensed and trained plumbing and mechanical professionals who are familiar with Viega products and their installation. **Installation by non-professionals may void Viega LLC's warranty.**

### Description

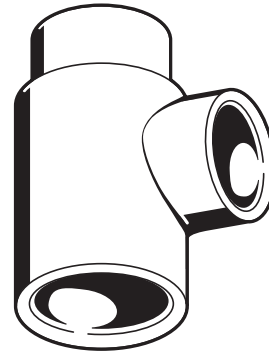
GeoFusion socket heat fusion fittings are intended and recommended for use in open or closed loop, ground source heat pump systems installed with IPS-OD, HDPE pipe manufactured to a minimum pressure rating of SDR11 or Schedule 40.

This product specification designates the requirements for GeoFusion high density polyethylene (HDPE) socket heat fusion fittings to be used as connections for Iron Pipe Size Outside Diameter (IPS-OD) controlled HDPE pipe in ¾", 1", 1¼", 1½", and 2" sizes.

### Materials

GeoFusion HDPE socket heat fusion fittings are manufactured from a bimodal polyethylene resin PE4710 with a cell classification, PE345564C per ASTM D-3350. This high performance resin exhibits enhanced performance properties including superior Slow Crack Growth (SCG) resistance plus improved tensile strength and modulus.

GeoFusion socket fusion by metallic adapter fittings are manufactured using machined components of brass alloy B360 per ASTM B-16 that are inserted into the molded polymer fitting body and attached by a stainless steel press ring.



### Certifications

- ASTM D 2683
- NSF 358-1

### UV Resistance:

Viega GeoFusion fittings are produced using a minimum of 2% carbon black, a material used to protect PE products from the effects of UV radiation. Viega GeoFusion fittings can be used in exposed, above ground applications for indefinite periods of time and do not require protection from UV exposure during shipping, handling, storage, installation or use.

### Fittings Suitable For Direct Burial

Model numbers: V9016, V9016.2, V9016.3, V9018, V9018.2, V9056, V9015, V9040 are suitable for direct burial.

### Fittings Not Suitable For Direct Burial

Model numbers: V9016.5, V9016.4, V9018.8, V9018.5, V9018.6, V9018.7, V9011, V9015.3, V9015.4, V9049, V9013.1 are not suitable for direct burial (accessible locations only).



Accessible is defined as being installed in a manner that provides open access or may require the removal of access door or panel, e.g., fittings installed in a mechanical room or installed in a mechanical box within the ground.

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TD-HC 1119 GeoFusion Fittings

