

Material Certification Statement

ASTM F667 COIL PIPE

Product

LANE'S ASTM F667 COIL PIPE is a single-wall high density polyethylene (HDPE) pipe with a corrugated interior and exterior manufactured for all culvert and subsurface drainage applications in 4, 6, 8 and 10 inch diameters. All sizes are available in perforated and non-perforated patterns with a range of fittings.

Raw Materials

LANE'S ASTM F667 GRADE PIPE is produced from an engineered compound of virgin and recycled HDPE resins meeting the cell classification and material performance requirements of both ASTM F667 and AASHTO 252. LANE'S ASTM F667 GRADE PIPE is engineered to a higher standard than that required by ASTM F667 to ensure sufficient service life for all drainage applications. The resin compound used to manufacture LANE'S ASTM F667 GRADE PIPE contains a minimum 40% post-consumer recycled material that is subject to a quality assurance program that ensures compliance with cell classification requirements. Lane qualifies its recycled blends to ensure sufficient service life for all drainage applications by engineering a compound with ample slow-crack-growth (SCG) resistance, the primary material property that relates quality and the critical component for assessing service life. SCG resistance is measured using the Notched Constant Ligament Stress (NCLS) test per ASTM F2136. LANE'S ASTM F667 GRADE PIPE is certified to exceed the SCG resistance requirements of AASHTO M252 as well as all other corrugated HDPE pipe specifications.

The US Green Building Council's (www.usgbc.org) rating system to certify green building and construction, commonly known as LEED (Leadership in Energy and Environmental Design), recognizes recycled material and assigns credits for related use. LANE'S ASTM F667 GRADE PIPE qualifies for "Recycled Content" LEED credits under the "Materials and Resources" credit category. Although specified as containing a minimum 40% postconsumer recycled material, the target percentage is 50% and this value may be used in the application process.

Certification

All polyethylene pipe products with the Lane logo and the ASTM F667 marking are manufactured, tested and supplied in accordance with the above-described specifications, and as a minimum meets the material performance requirements of both ASTM F667 and AASHTO M252.