

ConQuest® Empty Conduit, 1 in, SDR 13.5, terracotta



Product Classification

Product Type Empty conduit

Product Brand ConQuest®

General Specifications

Color Terracotta

Conduit Type Non-toneable

Density Test Method ASTM D792A

Density, maximum 0.955 g/cm³ | 0.035 lb/in³

Density, minimum 0.941 g/cm³ | 0.034 lb/in³

Design Standard ASTM D3350-05

Wall Type Smooth

Dimensions

Length 914.4 m | 3000 ft

Inner Diameter, nominal 27.965 mm | 1.101 in

Outer Diameter, nominal 33.401 mm | 1.315 in

Wall Thickness Designation SDR 13.5

Wall Thickness, minimum 2.464 mm | 0.097 in

Nominal Size 1 in

Material Specifications

Flexural Modulus, minimum 551.581 N/mm² | 80000 psi

Flexural Property Test Method ASTM D790

Hydrostatic Design Basis Not pressure rated

Hydrostatic Design Test Method ASTM D2837

CX3299999 | 100T135 EMPTY DUCT COEX

Material Type High density polyethylene (HDPE)

Melt Flow Rate Test Method ASTM D1238

Melt Flow Rate, maximum 0.39 g/10 min

Mechanical Specifications

Minimum Bend Radius, unsupported 355.6 mm | 14 in

Tensile Property Test Method ASTM D638

Tensile Strength at yield, minimum 20.684 N/mm² | 3000 psi

Pulling Tension, maximum 358.338 kg | 790 lb

Environmental Specifications

Environmental Stress Crack Resistance Failure rate of 10% within 96 hours

Environmental Stress Test Method ASTM D1693, ESCR Condition B

Packaging and Weights

Weight, net 251.5 kg/km | 169 lb/kft

Regulatory Compliance/Certifications

Agency

ISO 9001:2015

Classification

Designed, manufactured and/or distributed under this quality management system



* Footnotes

Environmental Stress Crack Resistance ESCR—e Environmental Stress Crack Resistance