

3099999 | 050T110 EMPTY DUCT



ConQuest® Empty Conduit, 1/2 in, SDR 11, terracotta

Product Classification

| | |
|----------------------|---------------|
| Product Type | Empty conduit |
| Product Brand | ConQuest® |

General Specifications

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|----------------------------|--|
| Color | Terracotta |
| Conduit Type | Non-toneable |
| Density Test Method | ASTM D792A |
| Density, maximum | 0.955 g/cm ³ 0.035 lb/in ³ |
| Density, minimum | 0.941 g/cm ³ 0.034 lb/in ³ |
| Design Standard | ASTM D3350-05 |
| Wall Type | Smooth |

Dimensions

| | |
|-----------------------------------|----------------------|
| Length | 304.8 m 1000 ft |
| Inner Diameter, nominal | 16.967 mm 0.668 in |
| Outer Diameter, nominal | 21.336 mm 0.84 in |
| Wall Thickness Designation | SDR 11 |
| Wall Thickness, minimum | 1.93 mm 0.076 in |
| Nominal Size | 1/2 in |

Material Specifications

| | |
|---------------------------------------|---------------------------------------|
| Flexural Modulus, minimum | 551.581 N/mm ² 80000 psi |
| Flexural Property Test Method | ASTM D790 |
| Hydrostatic Design Basis | Not pressure rated |
| Hydrostatic Design Test Method | ASTM D2837 |
| Material Type | High density polyethylene (HDPE) |
| Melt Flow Rate Test Method | ASTM D1238 |

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Melt Flow Rate, maximum 0.39 g/10 min

Mechanical Specifications

Minimum Bend Radius, unsupported 254 mm | 10 in

Tensile Property Test Method ASTM D638

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

Pulling Tension, maximum 176.901 kg | 390 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 126.494 kg/km | 85 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—Environmental Stress Crack Resistance