

# Drossbach Technical Data Sheet For Flexible Convuluted Tubing / Conduit



<b>Data Sheet</b>	TD-003 "FE" Flame Retardant Polyethylene	▼
<b>Revision:</b>	<b>5</b>	<b>Date:</b> <b>06/13/16</b>
<b>Base Material:</b>	<b>Flame Retardant "PE"</b>	
<b>Material Code:</b>	<b>FE</b>	

**Our commitment to quality is our commitment to success**

## Product Description

Flexible convuluted tubing / conduit manufactured from a blend of low density polyethylene, linear low density polyethylene resins and a flame retardant additive.

## Performance Enhancers

Flame Retardant	Yes - See note (5)
UV Inhibitor	No
Heat Stabilizer	No

## Performance Characteristics

Flexibility	Excellent	
Abrasion Resistance	Good	
Chemical Resistance	Good	See Chemical Resistance Report: -
Continuous Operating Temperature	-40 to +85C (-40 to +185F) Min. 3000 Hrs.	
Short Term" Operating temperatures	-40 to +93C (-40 to +200F) Max. 168 Hrs	

Typical Physical Properties	Test Method	Value	Units
Specific Gravity/Density	ASTM D792	0.977	-
Elongation @ Break	-	-	-
Elongation @ Yield	-	-	-
Tensile Strength @ 25C	-	-	-
2% Secant Modulus	-	-	-
Flexural Modulus	-	-	-
Melting Point	-	-	-
Notched Izod Impact Test	-	-	-
Heat Deflection Temperature @66psi	-	-	-
Heat Deflection Temperature @264psi	-	-	-

## Material Certifications

Delphi / Packard	-
Ford	-
General Motors	-
Chrysler	-
ASTM	-
Underwriters Laboratory	-
FMVSS 302	-
Other	Meets the test requirements of Drossbach's internal flame test DR-001 SE

## Notes

- (1) Drossbach does not claim or state any UV life or warranty unless stated above in the "Other" section", as we do not have any control over its end use environment.
- (2) All "UL" and FMVSS 302 flame ratings are for the resin used to manufacture our product, not for our end product. The ratings are created by testing standard "UL" and "FMVSS" plaque specimens, not tubing samples.
- (3) Compliant with the European Union's **Directive 2002/95/EU (RoHS)**, **REACH Directive** and the **Conflict Minerals Initiative**.
- (4) Only product designated as **UL 94 "V0"** in the Material Certification section above can be certified as **non-Halogenated product**.
- (5) If a product is designated as flame retardant but has no material certification listed, this product is a Drossbach internally blended material blended with a flame retardant additive. It is tested to an internal flame test (DR-006) that holds no claimed warranty.



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