

# Drossbach Technical Data Sheet For Flexible Convuluted Tubing / Conduit



<b>Data Sheet</b>	TD-019 "VE" Flame Retardant Polyethylene		
	<b>Revision:</b>	4	<b>Date:</b> 06/13/16
	<b>Base Material:</b>	Flame Retardant "V2 PE"	
	<b>Material Code:</b>	VE	

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

## Product Description

Flexible convuluted tubing / conduit manufactured from a flame retardant polyethylene resin rated as V2 according to UL-94

## Performance Enhancers

Flame Retardant	Yes
UV Inhibitor	No
Heat Stabilizer	Yes

## Performance Characteristics

Flexibility	Excellent
Abrasion Resistance	Good
Chemical Resistance	Good <span style="color: red; font-weight: bold;">See Chemical Resistance Report: CR-019</span>
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	1.005	-
Elongation @ Break	ASTM D638	945	%
Elongation @ Yield	ASTM D638	167	%
Tensile Strength @ 25C	ASTM D638	14.99619	MPa
2% Secant Modulus	-	-	-
Flexural Modulus	ASTM D790	240	MPa
Melting Point	ASTM D3418	239 (115)	°F (°C)
Notched Izod Impact Test	ASTM D256	10	ft lb/in
Heat Deflection Temperature @66psi	ASTM D648	122 (50)	°F (°C)
Heat Deflection Temperature @264psi	ASTM D648	104 (40)	°F (°C)

## Material Certifications

Delphi / Packard	-
Ford	-
General Motors	-
Chrysler	-
ASTM	-
Underwriters Laboratory	UL-94 V2 @ 1.5 mm
FMVSS 302	Max. Burn rate of 101.2mm / min. (1.0 mm thick) Self-extinguishing
Other	-

## 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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**An ISO/TS 16949 and ISO-9001**

**Registered Company**



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