

# Drossbach Technical Data Sheet For Flexible Convoluted Tubing / Conduit



Data Sheet:	TD-010 "VP" Flame Retardant Polypropylene	▼
Revision:	9	
Date:	14-Feb-11	
Base Material:	Flame Retardant "V2 PP"	
Material Code:	VP	

*Our commitment to quality is our commitment to success*

## Product Description

Flexible convoluted tubing / conduit manufactured from a flame retardant polypropylene 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
Recommended Operating Upper Temperature	+275°F (135°C)
Recommended Operating Lower Temperature	-40°F (-40°C)

Typical Physical Properties	Test Method	Value	Units
Specific Gravity/Density	ASTM D792	1.05	-
Elongation @ Break	ASTM D638	980	%
Elongation @ Yield	-	-	-
Tensile Strength @ 25C	ASTM D638	16.5	MPa
2% Secant Modulus	-	-	-
Flexural Modulus	ASTM D790	372	MPa
Melting Point	-	-	-
Notched Izod Impact Test	ASTM D256	12.9	ft lb/in
Heat Deflection Temperature @66psi	-	-	-
Heat Deflection Temperature @264psi	-	-	-

## Material Certifications

Delphi / Packard	-
Ford	-
General Motors	-
Chrysler	-
ASTM	-
Underwriters Laboratory	UL-94 V2 @ 0.8 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 for product manufactured with a "UV inhibitor" additive 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) All Drossbach's products are compliant with the European Union's Directive 2002/95/EU (RoHS) and the REACH Directive.
- (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.



**Drossbach N.A. Inc.**  
 PO Box 2000  
 157 N. Murray St.  
 Trenton, Ontario Canada  
 K8V 6G7  
 Phone: (613) 394-4817 Fax: (613) 394-5516

**Web Site Address: <http://www.drossbach.com>**

**Email: [info@drossbachllc.com](mailto:info@drossbachllc.com)  
 An ISO/TS 16949 and ISO-9001  
 Registered Company**



**Drossbach LLC**  
 1500 Commerce Drive  
 Stow, OH, 44224 USA  
 Phone: (330) 688-8460  
 Toll Free: (800) 841-5804  
 Fax: (330) 688-8465

This data is supplied for general product information / knowledge only. Drossbach N.A. does not state any warranty regarding the accuracy of this information. This document only represents a summarization of technical data supplied by the manufacturers of the base materials we use to make our finished product. This document and the information contained herein is proprietary to Drossbach N.A. Inc. It shall not be reproduced, copied or disclosed in whole or part, nor can it be used for manufacturing or any other purpose without the written permission of Drossbach N.A. Inc.