

# Drossbach Technical Data Sheet For Flexible Convolted Tubing / Conduit



Data Sheet

TD-025 "AP" Flame Retardant Polypropylene Automotive Grade

Revision: - Date: 02/12/2019  
Base Material: Flame Retardant "PP"  
Material Code: AP

*Our commitment to quality is our commitment to success*

## Product Description

Flexible convoluted tubing / conduit manufactured from a flame retardant polypropylene blend that when tested meets the V2 rating according to UL-94 (see note below under "Other").

## Performance Enhancers

Flame Retardant	Yes
UV Inhibitor	No
Heat Stabilizer	Yes

## Performance Characteristics

Flexibility	Good
Abrasion Resistance	Good
Chemical Resistance	Good <a href="#">See Chemical Resistance Report:</a> -
Continuous Operating Temperature	-40 to +125C (-40 to +257F) Min. 3000 Hrs.
Short Term" Operating temperatures	-40 to +135C (-40 to +275F) Max. 168 Hrs

Typical Physical Properties	Test Method	Value	Units
Specific Gravity/Density	ASTM D792	0.93	-
Elongation @ Break	ASTM D638	10	%
Elongation @ Yield	-	-	-
Tensile Strength @ 25C	ASTM D638	23.0 min.	MPa
2% Secant Modulus	-	-	-
Flexural Modulus	ASTM D790	1170	MPa
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	UL-94 V2 @ 0.8 mm (see note below under "Other").
FMVSS 302	Max. Burn rate of 101.2mm / min. (1.0 mm thick) Self-extinguishing
Other	This product has been tested and will meet the requirements of UL 94 V2. This product has not been certified yet By UL but documentation is available showing test results complying to the UL test.

## 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.



**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 IATF 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