

Drossbach Technical Data Sheet For Flexible Convuluted Tubing / Conduit



Data Sheet	TD-007 "ND" Nylon		
Revision:	9	Date:	03/26/18
Base Material:	Nylon		
Material Code:	ND		

Our commitment to quality is our commitment to success

Product Description

Flexible convuluted tubing / conduit manufactured from a nylon 6 co-polymer resin.

Performance Enhancers

Flame Retardant	Yes
UV Inhibitor	No
Heat Stabilizer	No

Performance Characteristics

Flexibility	Good
Abrasion Resistance	Excellent
Chemical Resistance	Good See Chemical Resistance Report: CR-007
Continuous Operating Temperature	-40 to +125C (-40 to +257F) Min. 3000 Hrs.
Short Term" Operating temperatures	-40 to +149C (-40 to +300F) Max. 168 Hrs

Typical Physical Properties	Test Method	Value	Units
Specific Gravity/Density	ISO 1183-A	1.06	-
Elongation @ Break	-	-	-
Elongation @ Yield	-	-	-
Tensile Strength @ 25C	ASTM D638	35.2	MPa
2% Secant Modulus	-	-	-
Flexural Modulus	ASTM D790	1.9	GPa
Melting Point	ISO 3146-C	424 (218)	°F (°C)
Notched Izod Impact Test	ISO 180	100	KJ/m2
Heat Deflection Temperature @66psi	-	-	-
Heat Deflection Temperature @264psi	-	-	-

Material Certifications

Delphi / Packard	-
Ford	WSS-M4D933-A1
General Motors	-
Chrysler	MS DB41 CPN 4059
ASTM	D4066 PA283
Underwriters Laboratory	Meets the test requirements UL-94 HB @ 1.5 mm (Not UL certified)
FMVSS 302	Max. Burn rate of 101.2mm / min. (1.0 mm thick)
Other	This product has been tested and will meet the requirements of UL 94 HB. 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

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

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.