

# Drossbach Technical Data Sheet For Flexible Convuluted Tubing / Conduit



Data Sheet	TD-008 "NP" Nylon		
Revision:	10	Date:	09/27/173
Base Material:	Nylon		
Material Code:	NP		

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

## Product Description

Flexible convoluted tubing / conduit manufactured from a nylon 6 co-polymer, impact modified resin.

## Performance Enhancers

Flame Retardant	Yes (see UL Notes below "Not yet Certified")
UV Inhibitor	No
Heat Stabilizer	Yes

## Performance Characteristics

Flexibility	Good
Abrasion Resistance	Excellent
Chemical Resistance	Good <span style="color: red;">See Chemical Resistance Report: CR-008</span>
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	1.07	-
Elongation @ Break	>100	%
Elongation @ Yield	7	%
Tensile Strength @ 25C	34	MPa
2% Secant Modulus	-	-
Flexural Modulus	610	MPa
Melting Point	428 (220)	°F (°C)
Notched Izod Impact Test	640	J/m
Heat Deflection Temperature @66psi	317 (158.5)	°F (°C)
Heat Deflection Temperature @264psi	117 (47)	°F (°C)

## Material Certifications

Delphi / Packard	M-2170
Ford	-
General Motors	GMP.PA6.003, GM 7001-M PA6
Chrysler	MS DB41 CPN 2785
ASTM	D4066 PA260
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.

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