

Drossbach Technical Data Sheet For Flexible Convuluted Tubing / Conduit



Data Sheet	TD-012 "NU" Nylon with UV Inhibitor		
Revision:	2	Date:	06/13/16
Base Material:	Nylon with UV Inhibitor		
Material Code:	NU		

Our commitment to quality is our commitment to success

Product Description

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

Performance Enhancers

Flame Retardant	No
UV Inhibitor	Yes (see note below in the "Other" section under "Material Certifications")
Heat Stabilizer	No

Performance Characteristics

Flexibility	Good
Abrasion Resistance	Excellent
Chemical Resistance	Good See Chemical Resistance Report: CR-012
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	1.07	-
Elongation @ Break	ISO 527	70	%
Elongation @ Yield	-	-	-
Tensile Strength @ 25C	ISO 527	51	MPa
2% Secant Modulus	-	-	-
Flexural Modulus	ISO 178	1710	MPa
Melting Point	ISO 11357	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	-
General Motors	-
Chrysler	-
ASTM	-
Underwriters Laboratory	-
FMVSS 302	-

Other The resin used to manufacture this product has the stabilizer supplier recommended percentage for a 3 Year weather able product. The validation testing for this material was performed following the SAE J1960/ J2527 (3000 hr's). Please note, this validation testing yields an estimated UV life span only.

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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