

Drossbach Technical Data Sheet For Flexible Convuluted Tubing / Conduit



Data Sheet	TD-024 "UV" PE UV protected by a "UV" stabilizer & Carbon Black	▼
	Revision: 2	Date: 11/07/2018
	Base Material: Polyethylene	
	Material Code: UV	

Our commitment to quality is our commitment to success

Product Description

Flexible convuluted tubing / conduit manufactured by using a low density polyethylene compounded with a UV stabilizer then in combination with an increased amount of Carbon Black blended into it's composition.

Performance Enhancers

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

Performance Characteristics

Flexibility	Excellent
Abrasion Resistance	Good
Chemical Resistance	Good See Chemical Resistance Report: -
Continuous Operating Temperature	-40 to +85C (-40 to +185F) Min. 3000 Hrs.
Short Term" Operating temperatures	-40 to +93C (-40 to +200F) Max. 168 Hrs

Typical Physical Properties

Test Method	Value	Units
Specific Gravity/Density	ASTM D1505	0.938
Elongation @ Break	-	-
Elongation @ Yield	ASTM D638	10
Tensile Strength @ 25C	ASTM D638	17 (2500)
2% Secant Modulus	-	-
Flexural Modulus	ASTM D790B	640 (93000)
Melting Point	ASTM D3418	259 (126)
Notched Izod Impact Test	-	-
Heat Deflection Temperature @66psi	ASTM D648	129 (54)
Heat Deflection Temperature @264psi	ASTM D648	100 (38)

Material Certifications

Delphi / Packard	-
Ford	-
General Motors	-
Chrysler	-
ASTM	-
Underwriters Laboratory	-
FMVSS 302	-

Other The resin used to manufacture this product has been compounded with an "UV" inhibitor then blended with a min. Carbon Black content of 2.5 %. This is a industry standard recommended amount of Carbon Black to achieve optima UV performance. Drossbach does not guarantee any UV life for this material as we do not have any control of the end product's environment.

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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