

Drossbach Technical Data Sheet For Flexible Convoluted Tubing / Conduit



Data Sheet:	TD-001 "PT" Polyester
Revision:	1
Date:	1-Sep-09
Base Material:	Polyester
Material Code:	PT

Our commitment to quality is our commitment to success

Product Description

Flexible convoluted tubing / conduit manufactured from a polyester-ester copolymer resin.

Performance Enhancers

Flame Retardant	No
UV Inhibitor	No
Heat Stabilizer	No

Performance Characteristics

Flexibility	Excellent
Abrasion Resistance	Excellent
Chemical Resistance	Excellent
Recommended Operating Upper Temperature	+320°F (160°C)
Recommended Operating Lower Temperature	-40°F (-40°C)

Typical Physical Properties

Typical Physical Properties	Test Method	Value	Units
Specific Gravity/Density	ISO 1183	1.27	-
Elongation @ Break	ISO 527	>320	%
Elongation @ Yield	-	-	-
Tensile Strength @ 25C	ISO 527	30	MPa
2% Secant Modulus	-	-	-
Flexural Modulus	ISO 178	345	MPa
Melting Point	ISO 3146	311 (155)	°F (°C)
Notched Izod Impact Test	ISO 180-1A	NB	-
Heat Deflection Temperature @66psi	-	-	-
Heat Deflection Temperature @264psi	ISO 75	>122(>50)	°F (°C)

Material Certifications

Delphi / Packard	M-2373
Ford	-
General Motors	-
Chrysler	-
ASTM	-
Underwriters Laboratory	-
FMVSS 302	-

Notes

- (1) Drossbach does not claim or state any UV life or warranty for product manufactured with a "UV inhibitor" additive 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) All Drossbach's products are compliant with the European Union's Directive 2002/95/EU (RoHS) and the REACH Directive.
- (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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