Drossbach Technical Data Sheet For Flexible Convoluted Tubing / Conduit



Data Sheet

TD-007 "ND" Nylon

Revision: Base Material: Material Code: Date: Nylon

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06/13/16

ND

Our commitment to quality is our commitment to success

Product Description

Flexible convoluted 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 Chem	ical 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	-		
FMVSS 302	Max. Burn rate of 101.2mm / min. (1.0 mm thick)		
Other -			
Notes		in the IIOther II and in III and	

- (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 <u>Directive 2002/95/EU (RoHS)</u>, <u>REACH Directive</u> and the <u>Conflict Minerals Initiative</u>.
- (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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