

Product Specifications * Drossbach IMDS submissions are available for all products upon request.

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ı	Material & Code		Tech. Delphi Ford Data (Packard)		General Motors	Chrysler ASTM	ASTM	Flame Rating	UV	Resis Chemical	stance Abrasion	Flexibility
1	a couc	Sheet	(Packard)		IVIOLOIS			(2)	4	** See Note	Abiasion	
ı	Polyethy	olyethylene - * Continuous Operating Temperature -40 to +85C (-40 to +185F). *Short Term -40 to 93C (-40 to +200F)										
1	DE	TD-013							No	Good	Good	Excellent
1	HV	TD-015							No	Good	Good	Good
1	KE	TD-018	M-2092						No	Good	Good	Excellent
1	PE	TD-013							No	Good	Good	Excellent
1	FE	TD-003						DR-006-SE	No	Good	Good	Excellent
2	VE	TD-019						UL-94 V2	No	Good	Good	Excellent
1) (2)	V0	TD-014						UL-94 V0	No	Good	Good	Excellent
ı	SE	TD-002		ESB-M4D152-A					No	Good	Good	Excellent
6	UC	TD-017							Yes	Good	Good	Excellent
4	UV	TD-024							Yes	Good	Good	Excellent
`	Nylon - * Continuous Operating Temperature -40 to +125C (-40 to +257F). *Short Term -40 to 149C (-40 to +300F)											
23	ND	TD-007		WSS-M4D933-A1 ES-XU5T-14A099-AA		MS-DB41 CPN 4059	D4066PA283	UL-94 HBG FMVSS 302	No	Good	Excellent	Good
23	NP	TD-008	M-2170		GMP.PA6.003 GM 7001-M-PA6	MS-DB41 CPN-2785	D4066PA260	UL-94 HB FMVSS 302	No	Good	Excellent	Good
4	NU	TD-012							Yes 4	Good	Excellent	Good
	Polypro	pylene -	* Continuo	ous Operating Ten	perature -40 to	+125C (-40 to	+257F). *Sho	ort Term -40	to 1350	C (-40 to +2	.75F)	
	FP	TD-023						DR-006-SE	No	Good	Good	Good
1	PP	TD-009						0	No	Good	Good	Good
23	P0	TD-004						UL-94 V0	No	Good	Good	Good
ı	RP	TD-011	M-2262-001			MS-DB532-B CPN-2796			No	Good	Good	Excellent
2	VP	TD-010						UL-94 V2	No	Good	Good	Good
	Polyester - *Continuous Operating Temperature -40 to +150C (-40 to +302F). *Short Term -40 to +170C (-40 to + 338F)											
I	PT	TD-001	M-2373						No	Good	Good	Excellent

- * The "Continuous Operating Temperatures" for each material is considered to be a minimum of 3000 hrs at the stated temperatures. The "Short Term" Operating temperatures is considered to be minimum of 168Hrs @ the stated temperatures
- ** Chemical Ratings are just general descriptive ratings. For more detailed Chemical Resistance information see Drossbach.s Chemical Resistance charts (CR-XXX series). These Documents can be cross referenced using Drossbach's Technical Data sheets listed above. Both documents (TD Sheets and Chemical Resistance charts) can be downloaded from our website www.drossbach.com or by request.
- All Drossbach's products are compliant with the European Union's Directive 2002/95/EU (RoHS), REACH Regulation and Conflict Minerals Initiative Notes:
- 1)The "V0" product is designated non-Halogenated product
- (2) All UL & FMVSS 302 flame ratings are for the resin used to manufacture our product, not our end product. Testing of standard plague not tubing.
- 3 This product has been tested and will meet the requirements of UL 94 V0 or HB (as stated in the above chart). This product has not been certified yet By UL but Documentation is available showing test results complying to the UL test.
- (4) Based on our "UV" stabilizer supplier recommendation, the percentage used allows for a 3-5 Year weather able product.
- (§) This product is manufactured with a "UV inhibitor" additive. Drossbach does not claim or state any UV life or warranty for this product (see TDS-024)
- ⑥ This product has limited "UV" protection created by increased amount of Carbon Black blended into it's composition (see TDS-017).

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Nominal	Dia.	Units	Dimension "A"					Dim. (E)	
ID	Code		ID		OD		Wall	Corr Ht.	
Diameter			Min	Max.	Min	Max.	Min	Ref.	
1/4"	014	mm	6.02	6.76	9.45	10.16	0.11	1.71	
(6 mm)		Inches	0.237	0.266	0.372	0.400	0.004	0.067	
1/4"	07L	mm	6.50	7.01	9.47	10.11	0.11	1.52	
(7 mm)		Inches	0.256	0.276	0.373	0.398	0.004	0.060	
3/8"	038	mm	8.66	9.65	12.59	13.36	0.12	1.91	
(9 mm)		Inches	0.341	0.380	0.496	0.526	0.005	0.075	
3/8"	09L	mm	9.35	10.11	12.56	13.32	0.12	1.61	
(9 mm)		Inches	0.368	0.398	0.494	0.524	0.005	0.063	
7/16"	716	mm	10.13	11.10	14.46	15.16	0.12	2.10	
(10 mm)		Inches	0.399	0.437	0.569	0.597	0.005	0.083	
1/2"	13L	mm	11.97	13.07	16.39	17.31	0.12	2.17	
(13 mm)		Inches	0.471	0.515	0.645	0.681	0.005	0.085	
1/2"	012	mm	12.01	13.11	16.87	17.78	0.12	2.38	
(13 mm)		Inches	0.473	0.516	0.664	0.700	0.005	0.094	
5/8"	16L	mm	15.11	16.08	18.59	19.56	0.12	1.74	
(16 mm)		Inches	0.595	0.633	0.732	0.770	0.005	0.069	
5/8"	058	mm	15.32	16.23	20.36	21.26	0.12	2.45	
(16 mm)		Inches	0.603	0.639	0.802	0.837	0.005	0.099	
5/8"	17F	mm	16.40	16.60	21.50	22.00	0.22	2.63	
(17 mm)		Inches	0.646	0.654	0.846	0.866	0.009	0.103	
5/8"	17L	mm	16.25	17.15	20.42	21.32	0.12	2.09	
(17 mm)		Inches	0.640	0.675	0.804	0.839	0.005	0.082	
5/8"	18L	mm	16.73	17.75	21.69	22.59	0.12	2.45	
(18 mm)		Inches	0.659	0.699	0.854	0.889	0.005	0.096	
3/4"	034	mm	17.96	19.28	24.13	25.12	0.12	3.00	
(19 mm)		Inches	0.707	0.759	0.950	0.989	0.005	0.118	
3/4"	19L	mm	18.97	19.86	23.10	23.86	0.12	2.03	
(19 mm)		Inches	0.747	0.782	0.909	0.939	0.005	0.080	
7/8"	078	mm	21.54	22.81	28.12	29.24	0.13	3.25	
(22 mm)		Inches	0.848	0.898	1.107	1.151	0.005	0.128	
1"	23L	mm	22.78	24.10	27.36	28.17	0.15	2.16	
(23 mm)		Inches	0.897	0.949	1.077	1.109	0.006	0.085	
1"	100	mm	25.91	27.16	31.78	33.13	0.15	2.96	
(25 mm)		Inches	1.020	1.069	1.251	1.304	0.006	0.117	
1 1/8"	118	mm	28.50	29.86	34.58	35.88	0.15	3.03	
(29 mm)		Inches	1.122	1.176	1.361	1.413	0.006	0.119	
1 1/4"	114	mm	30.45	31.93	36.73	38.10	0.15	3.11	
(30 mm)		Inches	1.199	1.257	1.446	1.500	0.006	0.123	
1 1/2"	112	mm	39.78	41.83	47.42	49.45	0.15	3.82	
(40 mm)		Inches	1.566	1.647	1.867	1.947	0.006	0.150	
2"	200	mm	50.01	51.77	58.04	60.66	0.28	4.23	
(51 mm)		Inches	1.969	2.038	2.285	2.388	0.011	0.167	
2 1/2"	212	mm	62.15	63.90	70.39	73.01	0.28	4.34	
(64 mm)	L	Inches	2.447	2.516	2.771	2.874	0.011	0.171	
3 1/2"	312	mm	88.41	90.41	97.00	100.00	0.28	4.55	
(89 mm)		Inches	3.481	3.559	3.819	3.937	0.011	0.179	

Dimension "D" Cut-To-Length Specifications for Product <20' (<6096 mm) Product >20' (>6096 mm) in length is considered to be "Bulk" Product

Less than or equal to 400mm or 15.75" Greater than 400mm(15.75") < 6096 mm +/- 10mm or 0.394" 20' +/- 2.5% of target length

Products Listed are standard products. Unique sizes, materials & colours are available but are special order and subject to set-up & minimum quantities costs. Note:

- (A) Product tolerances are general and are designed to encompass all available materials. Tighter tolerances may be available for a specific material.
- (B) Product with an I.D. > 1.0 " will not meet the std. cut length tolerances listed above. Special cut length tolerance will be given on a case to case basis.

All dimensions are in both Imperial and Metric. Do Not Scale Drawing.



Convoluted Tubing

N/A MATERIALS: FINISH: N/A SCALE: N/A INTERPRET GEOMETRIC N/A Tol.: .XX **ANGLES** TOLERANCES PER: APPROVAL: Janet Mann APPROVAL: Neil Coleman DATE: 10/05/18