

Cable Tie Technical Data

Our Cable Ties are produced in the UK on multi impression tools, which mould complete one-piece ties with no metal parts.

The are manufactured from tough durable Nylon 6/6 which has been tested to underwriters laboratory UL94V2.

The material is zero halogenated and also has a low smoke and fume capability when compared with materials such as PVC, PP, PE, ABS, POM, ECT. The classified oxygen index at max 28% dry is considered excellent in halogen free and L.S.F. situations, with the test method conducted in accordance with data sheet DAV1826 and the test status as indicated below in Table 'A'.

The Health & Safety directives are substantiated on data sheet DAV1825 both of which are available upon application.

Specification status and testing of the ties has been based on the full requirements as directed in Military Specifications SAE – AS 23190 which is related to SAE – AS 33671 and SAE – AS 33681. MIL Spec and Nato Stock Numbers cross reference charts; detailing the relevant Cable Ties are available upon request and are in accordance with M.O.D. directives for Aero, Naval and Ground applications.

In the case of Underwriters Laboratory Specification requirements, the full implications of UL 1565 have been applied as indicated against file no. E157276. (Copies are available on request).

These specifications include for the performance testing requirements with regard to Flammability, Tensile Strength, Vibration, Corrosion, etc., and in most cases exceed the recommendations.

TABLE A		TEST MEDTHOD
Material Nylon	Nylon 66	
Working Temperature Range	-40°C TO 85°C	
UL Flammability Rating	UL94	V2
Oxygen Index	25% - 28%	ASTMD 2863
Smoke Density	Flaming 35 Non Flaming 13	ASTMD 2843 ASTME 662
Water Absorption (24 hrs)	1.3%	

ISO 9001

LOOP TENSILE STRENGTH (KGS)	
Miniature	8.1 kgs
Intermediate	18.2 kgs
Standard	22.2 kgs
Light Heavy	54.5 kgs
Heavy	79.4 kgs
Extra Heavy	113.5 kgs