

TECHNICAL DATA SHEET

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Date: April 2006

PVF- Labels

MATERIAL DESCRIPTION:	Aerospace grade polyvinylfluoride (Tedlar™) film with a printable coating to enhance ink receptivity. Self extinguishing material. Supplied as die cut labels with a permanent acrylic pressure sensitive adhesive on an 80lb liner.
USE:	Ideal in a variety of harsh physical and chemical environments, especially aerospace and military applications. Is also ideal for general labeling applications that require self-extinguishing properties
PRINT METHOD/RIBBON:	Thermal transfer: T300 Series, Tyco 1330-3300-10 Ribbon Thermal transfer: T200 Series, Tyco 1330-3300-101TT Ribbon Thermal transfer: T400 Series, Tyco 1330-3300-10 Ribbon
SHELF LIFE:	2 years when stored at 22°C (72°F) at 50% R.H.
ADHESIVE:	Permanent acrylic giving superior solvent and UV resistance.
COLOR:	White and yellow.
APPROXIMATE THICKNESSES:	Face stock: 0.050mm (0.002 inches). Adhesive: 0.025mm (0.001 inches). Liner: 0.050mm (0.002 inches).
ADHESION:	PSTC-1 (180° peel direction), 15 minute dwell at 21°C (70°F): Fiberglass: Typical Value: 30N/100mm (30oz/inch). Phenolic, nylon: Typical Value: 60N/100mm (55oz/inch). Aluminum, stainless steel, galvanized steel, alkyd enamel: Typical Value: 55N/100mm (50oz/inch).
SERVICE TEMPERATURE:	-40°C to +130°C (-40°F to +266°F).
MINIMUM APPLICATION TEMPERATURE:	10°C (50°F).

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Business locations:

☎ N America: + 1 650 361 3860 (West Coast)
☎ France: + 33 (0) 4 76 09 96 96 (Labels)
☎ Germany: + 49 (0) 6074 8908 0
☎ UK: + 44 (0) 1495 244 000 (Labels)
☎ Japan: + 81 (0) 44 900 5102

☎ N America: + 1 401 751 6505 (East Coast)
☎ France: + 33 (0) 1 34 20 21 22 (Other products)
☎ UK: + 44 (0) 1793 528171 (Other products)
☎ Singapore: + 65 (0) 4866 151

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- FLAMMABILITY:** Meets the requirements of UL94 VTM-1.
 Self-extinguishing when tested to ASTM D1000-76 and Boeing Specification 13-47G.
- UV TRANSMISSIBILITY:** < 0.01%.
- DIELECTRIC STRENGTH:** > 9000V.
- CHEMICAL RESISTANCE:** Resistant to common fluids, lubricants and solvents.
 Meets the requirements of MIL-STD-833C, Notice 4, Method 2015.6 (Resistance to Solvents) and MIL-M-87958.
- ABRASION RESISTANCE:** Print legible after 200 revolutions of CS-10 wheel with 500g load (Taber Abrasor 5130). Print not affected after repeated rub testing as per AS-81531
- PRINT PERMANENCE:** Results when tested at 22°C (72°F):

FLUID	TEST	EFFECT
MIL 202F		
IPA/Mineral spirits	Repeated cleaning (30 wipes)	Print remains clearly legible
Bioact	Repeated cleaning (30 wipes)	Print remains clearly legible
Butyl Cellusolve	Repeated cleaning (30 wipes)	Print remains clearly legible
IPA	10 minute soak	No visual effect
Deionized water	10 minute soak	No visual effect
21SAE 20W (Engine Oil)	10 minute soak	No visual effect

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