

Chemical resistance

Chemical	Unit of measure	Test result	Test Method	Observations
IPA	50 crock meter rubs	5	AATCC 8	No transfer of ribbon
Ethanol	50 crock meter rubs	5	AATCC 8	No transfer of ribbon
Acetone	50 crock meter rubs	5	AATCC 8	No transfer of ribbon
Xylene	50 crock meter rubs	5	AATCC 8	No transfer of ribbon
MEK	50 crock meter rubs	5	AATCC 8	No transfer of ribbon
White Spirit	50 crock meter rubs	5	AATCC 8	No transfer of ribbon
SP95 Fuel	50 crock meter rubs	5	AATCC 8	No transfer of ribbon
SP98 Fuel	50 crock meter rubs	5	AATCC 8	No transfer of ribbon
Diesel	50 crock meter rubs	5	AATCC 8	No transfer of ribbon
Brake Fluid	50 crock meter rubs	5	AATCC 8	No transfer of ribbon
Toluene	50 crock meter rubs	5	AATCC 8	No transfer of ribbon
Skydrol®	50 crock meter rubs	4.5	AATCC 8	Minimal to no transfer of ribbon

Heat Resistance

Temperature	Unit of measure	Test result	Test Method	Observations
250°C	2 sec 3.6kgf/cm	5	AATCC 8	No transfer of ribbon

The amount of ribbon transfer is rated against the AATCC color chart; 1 to 5.

1 = high percentage print/colour transfer onto crocking cloth 5 = no print/colour transfer onto crocking cloth

Abrasion

Performance criteria	Unit of measure	Test result	Test Method	Observations
Taber Abrasion	CS10 500g load	40 cycles	ASTM D1044	Bar code and text readable

ADHESIVE PERFORMANCE

Initial 180° peel adhesion after 20 minutes

Application surface	Unit of measure	Test result	Test Method
Stainless Steel	N/25mm	16N/25mm	FTM I

180° peel adhesion after 24 hours

Application surface	Unit of measure	Test result	Test Method
Stainless steel	N/25mm	25.8N/25mm	FTM I
Untreated Polypropylene	N/25mm	16.25N/25mm	FTM I
Untreated Polyethylene	N/25mm	11.9N/25mm	FTM I
Glass	N/25mm	24.1N/25mm	FTM I

180° peel adhesion performance from stainless steel after 1 hour immersion in following chemicals

Chemical	Unit of measure	Test result	Test Method
Xylene	N/25mm	19.5N/25mm	FTM I
Unleaded Petrol	N/25mm	20.2N/25mm	FTM I
Skydrol®	N/25mm	23.62N/25mm	FTM I
Brake Fluid	N/25mm	25.4N/25mm	FTM I

Static shear resistance; 25mm x 25mm sample applied to stainless steel plate with 1kg weight and test environment of 40°C

Performance criteria	Unit of measure	Test result	Test Method
Shear Resistance	Hours	>140 hours	FTM8