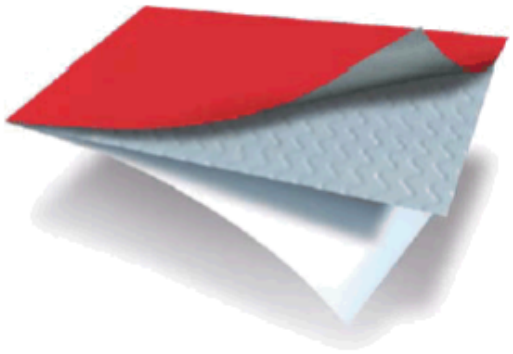
AS191

Fasson ®

TRANSFER PET36 TOP WHITE S8092-PET75



TRANSFER PET36 TOP WHITE	
S8092	
PET75	

Facestock

A gloss white polyester film. The smooth surface is covered with a topcoat for very good ink anchorage.

Basis Weight	54 g/m²	ISO 536
Caliper	36 µm	ISO 534

Adhesive

S8092 is a silicone adhesive with good final adhesion on a wide variety of surfaces including textured and low surface energy substrates.

Liner

A clear polyester liner. The polyester liner giving optimum smoothness to the adhesive layer.

Basis Weight	114 g/m²	ISO 536
Caliper	75 µm	ISO 534
Transparency	99 %	DIN 53147

Laminate

Total Caliper	175 µm±10%	ISO 534

Performance Data

Initial Tack	25 N/25mm	FTM 9 glass FINAT FTM 9 (vidro)
Peel Adhesion 90°	16 N/25mm	FTM 2 St.St. 24 hrs.
Min. Application Temp.	5 °C	
Service Temperature	-80 °C to 150 °C	
Adhesive Coat Weight	50 g/m²	FTM12
Adhesive Type	Silicone adhesive, solvent based	

Adhesive Performance

S8092 is designed for conversion into identification, warning and tracking labels on very difficult substrates including siliconized fabrics. It features superior resistance towards temperature extremes, moisture, chemicals and UV light.

Applications and Use

This product is designed for conversion into identification, warning and tracking labels. Thanks to the special surface coating, variable information such as batch and part numbers can be printed by thermal transfer.

This product is equiped with a silicone adhesive and is used on low surface energy substrates, including siliconised fabrics, PTFE and different types of rubber. The high coat weight of the adhesive allows labelling of rough or structured surfaces.

Conversion and Printing

In addition to thermal transfer printing the product can also be printed by all conventional roll label techniques, such as flexo, UV letterpress, silkscreen. For easy diecutting sharp corners should be avoided. Specific testing is required.

REACH Compliance

Notification according to Article 33 of the REACH Regulation (SVHC) This article contains the following substance which is included on the candidate list, according to article 59 (1,10) of the REACH registration, in a concentration above 0.1% (w/w):

Dicyclohexyl phthalate (DCHP) (CAS-No. 84-61-7)

Shelf Life

To obtain optimal performance, use this product within two years of the date of manufacture, under storage conditions as defined by FINAT (20-25°C; 40-50%RH). Prolonged storage outside these conditions might reduce the shelf life.

Appendix

Performance Data

Note: the following technical data should be considered representative or typical only and should not be used for specification purposes.

Peel Adhesion:

FTM1: 180°, 300 mm/min, dwell time: 48 hours

Surface	N/25mm
Airbag fabric, siliconised	4,3
EPDM rubber (Ecolan)	5,0
Glass	19,0
NBR rubber (65° Shore A)	7,1
SBR rubber (65° Shore A)	7,5
Silicone rubber (kSil GP40)	3,2
Silicone rubber (kSil GP60)	3,9
Stainless Steel	19,0
Teflon (PTFE)	7,1

Chemical Resistance:

The performance results are based on 4 hours immersions at room temperature unless otherwise noted. Samples were applied to the test panel and conditioned for 24 hours before immersion and evaluated immediately upon removal. Peel adhesion was measured according to FTM1.

Chemical	Test Substrate	N/25mm	Visual appearance	Edge Penetration
Ad Blue	Aluminium	14,0	No change	0 mm
Biodiesel	Glass	13,9	No change	0 mm
Bioethanol E85	Glass	13,1	No change	2 mm
Brake Fluid	Glass	12,0	No change	0 mm
Diesel	Glass	13,0	No change	0 mm
Engine Oil	Glass	12,5	No change	0 mm
Gasoline	Glass	9,0	No change	4 mm
Heptane	Glass	8,0	No change	4 mm
Water, distilled	Aluminium	10,0	No change	0 mm

Chemicals: Ad Blue: Aral, Bioethanol E85: CropEnergies CropPower85, Brake Fluid: DOT 4 Synthetic (One Way) Diesel: TOTAL, Engine Oil: TOTAL quartz 700, 10 W 40, Gasoline: TOTAL Euro 95

Appendix

Thermal Transfer Printing:

Printability – Physical Resistance

Flat head printers (tests were performed with the printer Zebra XII 140):

Ribbon	Settings speed	energy	Print Quality	ANSI Grade	Scratch resistance	Tape resistance
Armor AXR7+	3	20	++	A	++	++
Armor AXR8	3	15	++	A	++	++
DNP R300	3	15	++	A	++	++
DNP R510	3	20	++	A	++	++
Iimak SP330	3	15	++	A	++	++
ITW B324	3	15	++	A	++	++
Ricoh B110CR	3	15	++	A	++	++

Near edge printers (tests were performed with the printer Avery TTX 450 – Near Edge):

Ribbon	Settings	Print Quality	ANSI Grade	Scratch resistance	Tape resistance
Armor AXR 600	4 ”/s	+	A	++	o
Armor AXR 800	4 ”/s	+	B	++	o
Ricoh B120 E	4 ”/s	++	A	+	+

ANSI (American National Standards Institute) Grade: information about barcode quality
A: excellent B: good C: acceptable D: readable with difficulty
++: excellent +: good o: acceptable -: poor

Chemical Resistance

The printed samples were wetted on the surface with a soft clean cotton cloth soaked in the test solution by wiping 10 times back and forth with light pressure. After 5 seconds they were dried with a clean dry soft cloth. After 15 minutes the evaluation took place.

	AXR7+	AXR8	R300	R510	SP330	B324	B110 CR	AXR 600	AXR 800	B120 E
Ad Blue	+	+	+	+	+	+	+	+	+	+
Anti-Freeze	+	+	+	+	+	+	+	+	+	+
Biodiesel	+	o	+	+	+	+	+	-	o	-
Bioethanol E85	-	+	+	+	+	+	+	-	o	-
Brake fluid	-	+	+	+	o	+	+	-	o	-
Cleaner solvent	+	+	+	+	+	+	+	-	-	-
Engine oil	+	+	+	+	+	+	+	+	+	o
Gasoline	-	o	-	+	-	-	-	-	-	-
Hard wax polish	+	+	+	+	+	+	+	-	-	-
Isopropanol	+	+	+	+	+	+	+	-	o	-
Spirit	-	+	+	+	+	+	+	-	o	-

+: good (no change) o: acceptable (minor change, still readable) -: poor

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Chemicals:
Ad Blue: Aral, Anti-Freeze: Speedfrost "Speedfroil" 1:1 in water, Bioethanol E85: CropEnergies CropPower85
Brake Fluid: DOT 4 Synthetic (One Way), Cleaner Solvent:: “Caramba” Cold Cleaner, Engine Oil: TOTAL quartz 700, 10 W 40
Gasoline: TOTAL Euro 95, Hard Wax Polish: „Nigrin“ Hard Wax Polish

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Warranty
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