



1116 ATHLETIC BLACK



RECOMMENDED FABRICS

Nylon mesh
100% Cotton
Some 50/50 Cotton/Polyester Blends



INK APPLICATION

1116 Athletic Black Ink can be printed directly from the container. If printing on Nylon substrates, it should be mixed with the 900 Catalyst before printing, for adhesion.



ADDITIVES

If modification is necessary, use 1% to 5% by weight of 1110 Curable Reducer.



SCREEN MESH

60-160 t/in (24-63 t/cm)
monofilament



EMULSION

Any direct or indirect emulsion or capillary film in the 35 to 70 micron range



SQUEEGEE

70-80 Durometer
Sharp edge



CURE TEMPERATURES

325°F (163°C) entire ink film



CLEAN-UP

Any eco-friendly plastisol screen wash



PRODUCT PACKAGING

Quart, 1 gallon, 5 gallon, 30 gallon or 50 gallon containers



STORAGE OF INK CONTAINERS

65° to 90°F (18°C to 32°C)
Avoid storage in direct sunlight
Keep containers well sealed



SDS

Refer to SDS prior to use

FEATURES

1116 Athletic Black is a very durable, high viscosity plastisol ink formulated for printing directly onto most athletic garments.

Can also be used for cold peel transfers and as a flock adhesive.

It can also be used with 900 Catalyst** for greater durability and adhesion on problem fabrics.

** Catalyst must be ordered separately

INK APPLICATION

The 1116 Athletic Black can be printed directly from the container or for greater durability and adhesion on problem fabrics (micro-mesh), mix with the 900 Catalyst. In general, if the ink can surround the fiber of the fabric being printed, the use of 900 Catalyst may not be necessary. Catalyst must be purchased separately if needed. 900 Catalyst is available in 2 oz. and 8 oz. containers and when used should be thoroughly hand stirred into the ink to the following proportions:

By volume = 16 parts ink to 1 part catalyst
By weight = 20 parts ink to 1 part catalyst

1 ounce of catalyst to 1 pint of ink
2 ounces of catalyst to 1 quart of ink
8 ounces of catalyst to 1 gallon of ink

Ink may be used immediately after mixing. Do not mix more ink than is needed for a job. Do not under-catalyze the ink. Pot life of mixed ink is 4 to 8 hours. Over-catalyzation will shorten the pot life.

If printing on cotton, it is not necessary to catalyze the ink. Print it as you would a normal direct print plastisol ink.

For standard cotton, recommended screen mesh is 110-160 t/in (43-63 t/cm). For coarse athletic fabrics (mesh football jerseys), recommended screen mesh is 4XX to 6XX.

IMPORTANT INFORMATION

Adding too much reducer or other additives to the 1116 Athletic Black may cause curing/fusing or increased dye migration problems. It is important not to use reducers that are 100% plasticizer, because they may decrease adhesion and make the finished ink film less durable. Test dryer temperatures and wash test printed product before and during a production run.

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