

SunPoly™ ASI Technical Data Sheet

SunPoly ASI Promotional Product Ink is a single pack ink designed to print on untreated polypropylene. These inks provide excellent adhesion, gloss, and flexibility. The composition of PP may vary grade to grade and pretesting is recommended.

typical characteristics and features

SunPoly ASI inks are formulated to have the following properties:

- Single package
- Excellent adhesion and gloss
- Flexibility

technical information and handling

Substrates

SunPoly ASI can be used on:

- Untreated polypropylene

Note: Can be used on most plastic substrates. Pretest all substrates prior to use in production.

Squeegee

Medium to hard durometer squeegee is recommended to a 70-80 durometer.

Screen mesh

Typically 230 –305 / inch (90–120 / centimeter) polyester monofilament mesh is recommended.

Stencil

Direct photoemulsion, capillary film or other solvent resistant stencil.

Printing

Add only enough ink to the screen to be able to print for 5-10 minutes. Add additional ink in small increments throughout the print run to maintain screen stability.

Drying

SunPoly ASI inks dry by solvent evaporation; air dries in 20 minutes or may be force air dried in 15-25 seconds at temperatures from 90F to 150F. These inks should be allowed to age at least 24 hours to achieve optimum adhesion.

Product Code	Description	SAP Quart Number
Blending Colors		
SunPoly ASI-Y30	Primrose	91516728
SunPoly ASI-Y50	Golden Yellow	91516803
SunPoly ASI-O50	Orange	91516814
SunPoly ASI-R20	Scarlet	91517073
SunPoly ASI-R50	Red	91517072
SunPoly ASI-G50	Green	91517280
SunPoly ASI-B50	Blue	91517074
SunPoly ASI-M50	Magenta	91517109
SunPoly ASI-V50	Violet	91517245
SunPoly ASI-N50	Blending Black	91517839
SunPoly ASI-W50	Blending White	91517915
Standard Colors		
SunPoly ASI-E50	Mixing Clear	91517987
SunPoly ASI-W70	Opaque White	91517984
SunPoly ASI-212	Yellow	91514463
SunPoly ASI-219	Warm Red	91514133
SunPoly ASI-226	Bright Red	91514750
SunPoly ASI-228	Dark Red	91514752
SunPoly ASI-242	Emerald Green	91514170
SunPoly ASI-252	Dark Blue	91514683
SunPoly ASI-258	Process Blue	91514334
SunPoly ASI-259	Reflex Blue	91514333
SunPoly ASI-285	Purple	91514335
Additives		
SunPoly ST-327	Reducer	90005567
SunPoly ST-325	Flow Promoter	90020042
SunPoly ST-407	Adhesion Promoter	91515001



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Modification

Reducer: SunPoly ASI inks may be reduced up to 15% by weight using SunPoly ST-327 Reducer.

Adhesion Promoter (additive): Use SunPoly ST-407 Adhesion Promoter to enhance adhesion. Add up to 5% by weight.

Adhesion Promoter (wipe on): Adhesion can also be increased by using SunPoly ST-407. Wet rag with ST-407, wipe the surface of the substrate, allow the ST-407 to dry, and then print onto the treated surface.

SunPoly ASI may be used for pad printing with modification. Pre-testing is necessary to ensure adhesion.

To modify SunPoly ASI ink for pad printing, add 10% by weight ST-407 Adhesion Promoter, and 15-20% by weight ET-25 Reducer.

Maximum adhesion is achieved within 24-48 hours.

wash-up

SunPoly ASI may be cleaned from screens and processing equipment with SunPoly ST-327 Reducer or other suitable screen wash.

coverage

SunPoly ASI Using a 255 / inch (100 / centimeter) mesh, one quart will cover approximately 300 square feet.

storage considerations

If SunPoly ASI inks are stored in temperatures between 40° – 90°F (5 – 32°C), these coatings have a shelf-life of twelve (12) months.

safety, health and environment

SunPoly ASI inks should be used in accordance with normal standards of industrial hygiene and good manufacturing practice. Please refer to the supplied Safety Data Sheet for specific information. Safety Data Sheets will be supplied.

Printing inks, coatings and printing residues should be disposed of in accordance with local and national regulations.

The information contained in this technical data sheet is only a recommendation and may need to be altered to suit the conditions and efficiency of the equipment employed. Our products are not designed for use in conjunction with those of any other ink maker or similar supplier unless agreed to in writing.

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