

Series 712

Pad Printing Ink for non-pretreated Polypropylene

Highly opaque, silky glossy and fast drying pad printing ink, Series 712. Ideally suited for printing of

non-pretreated Polypropylene. Typical applications are promotional materials.

Application

- › Promotional materials

Substrates

Substrate	Rating	Hints
Polypropylene (PP), non-pretreated	★★★★	

Legend ★★★★★ Very well suited ★ Detailed pre-tests necessary

Characteristics

Feature	Rating	Hints
Alcohol- and gasoline resistance	★★★	Use of Series 700-HDA (10% by weight) to further improve resistance
Flexibility	★★★★	
Gloss	★★★	Silky glossy
Resistance to hand sweat	★★★	Use of Series 700-HDA (10% by weight) to further improve resistance
Light fastness	★★★★	
Abrasion resistance	★★★	Use of Series 700-HDA (10% by weight) to further improve resistance
Pigmentation	★★★★★	
Temperature resistance	★★★	
Drying	★★★★	
Water resistance	★★★	
Weather resistance	★★★	

Legend ★★★★★ Very good product properties n/a No information available
 ★ Product properties not available

Product Range

MS Basic Colors

Article	Color	HP			Article	Color	HP		
712-1005	MS light yellow	•			712-3305	MS magenta	•		
712-1105	MS medium yellow	•			712-4005	MS violet	•		
712-1205	MS dark yellow	•			712-5005	MS blue	•		
712-2005	MS orange	•			712-6005	MS green	•		
712-3005	MS red	•			712-8005	MS black	•		
712-3105	MS magenta red	•			712-9005	MS white	•		

HP High pigmented

Note I: All abbreviations used in this chart are explained in detail on the last page of this data sheet.

Other Colors

ST Colors	ST Color Chart / www.printcolor.ch/stcolorguide	
ST Metallics	ST Color Chart / www.printcolor.ch/stcolorguide	
ST Neon Colors	ST Color Chart / www.printcolor.ch/stcolorguide	
Special Colors	Pantone [®] , HKS, RAL and after customers sample	
Others	Series 712-00	ST white
	Series 712-04	ST transparent paste
	Series 712-05	ST varnish
	Series 712-05/MT	ST varnish, mat
	Series 712-06	Retarder paste
	Series 712-33	ST black
	Series 712-33/B	ST black, intensive

Auxiliaries

Thinner	Series 700-017	Addition ratio	15-30% by weight
Retarder*	Series 700-018	Addition ratio	5-20% by weight
Accelerator	Series 700-019	Addition ratio	15-30% by weight
Accelerator (fast)	Series 700-041	Addition ratio	15-30% by weight
Hardener (as needed)	Series 700-HDA	Addition ratio	10:1
	Series 700-HDI	Addition ratio	10:1

* Blended with Series 700-017.

Processing

Cliché

All commercially available clichés can be used.

Drying

Drying of Series 712 depends on the layer thickness as well as on the substrate and the auxiliaries used.

Usual parameters (no addition of retarder):

Air	Physically fast drying
Dryer	IR-dryer , continuous dryer, oven drying (max. 100°C)

Cleaning

Series 700-BRT, Series 700-URT

Special Features & Tips

Adhesion problems	When experiencing adhesion problems, use of Series 700-PP (10-20% by weight) is recommended.
Resistance	Mechanical and chemical resistance can be improved by using hardeners Series 700-HDA and Series 700-HDI.

Others

Delivery	1 kg / 5 kg / 25 kg
Certificates / Standards	www.printcolor.ch/certificates
Other	Stir well before use
	Information on shelf life can be found on the cover label.

Basic Color Systems

HP Basic mixing system with highly pigmented primary colors

Safety Information

Actual Material Safety Data Sheets according to EC-Regulation 1907/2006 are available for all products mentioned in this data sheet.

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Important Information

Our technical advice whether spoken, written, or through test trials corresponds to our current knowledge to inform about our products and their use. This is not meant as an assurance for certain properties of the products nor their suitability for each application. You are, therefore, obliged to conduct your own tests with our supplied products to confirm their suitability for the desired process or purpose. The selection and testing of the ink for specific applications is exclusively your responsibility. Should, however, any liability claims arise, such claims shall be limited to the value of the goods delivered by us and utilized by you with respect to any and all damages not caused intentionally or by gross negligence.